VACUUM ENGINES AND PRIORE'S METHODOLOGY: THE TRUE SCIENCE OF ENERGY-MEDICINE

Part I of II

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Photo 1. (to the right) Priore's laboratory. Workbench with animal cage is in the right foreground, under a large overhead assembly to hold the coil for producing the rippling magnetic field.

Photo 2. (below) Priore's laboratory. Workbench now has coil installed. The rippling magnetic field descended vertically through the patient. The magnetic field was modulated by the wave/ antiwave output of 17 EM waves mixed in a rotating plasma, in a plaint mixer tube.



December 1, 1994

In the late 1960s and early 1970s, Antoine Priore and a team of leading French scientists demonstrated conclusive, total remissions of terminal tumors and infectious diseases in hundreds of laboratory animals. Their research was performed under rigorous scientific protocols and funded by the French Government. The approach employed very complicated mixing of multiple EM signals in a rotating plasma, and modulating the mixed output upon a very strong rippling magnetic field to which the body of the test animal was exposed. Complete remission of the treated diseases was ob-

tained. In addition, the animals' immune systems were also restored to normal. Further, disease-specific antibodies were also created: a single drop of blood drawn from an animal that had been treated and recovered, and injected into the body of a second animal with the same terminal illness, resulted in total remission of the disease in the second animal and its total recovery. In the mid-70s Priore's work was suppressed, because of hostility of the oncology community, change of the French Government and loss of further funding, and complete inability of physicists and biological scientists to even hypothesize a mechanism for the curative results.

After a 10-year struggle to discover the Priore mechanism, the present author has proposed a sweeping new explanation for the exact Priore curative mechanism. It represents a totally new kind of medical therapy - one which can dra-matically treat and cure a breathtakingly wide variety of diseases. The electrical physics is based on the Stoney, Whittaker, and Ziolkowski decomposition of the scalar EM potential into bidirectional EM wave pairs. Deliberate assembly of such a structure forms a vacuum engine of nested curvatures of local spacetime. Priore unwittingly made such a hyperspatially structured vacuum engine. one with the special characteristic that it time-reversed (dedifferentiated) diseased cells back to their earlier normal state. The Priore approach not only produces remission of a specific targeted disease, but also fully restores the cells and "factories" of the patient's immune system because they too revert back to their previous healthy condition.2

control and order all the biochemistry.

In short, Priore found and utilized a method of electromagnetically engineering general relativity in the laboratory – something physicists had not done and have no knowledge of. Neither have they done it overly who also, and neither do they have knowledge of it today.

Whe point out that chemistry is largely driven by charge and charge distribution. The new methodology essentially controls charge and its distribution. Hence it can

Becker et al have shown conclusively that very weak DC currents and pulsed magnetic fields can produce cellular dedifferentiation (change to a previous state) and redifferentiation (change forward to a new state). It follows that transcription (change of the genetics) must also be altered correspondingly. Becker was nominated for a Nobel Prize for his experimental and theoretical demonstration of the mechanism. He also proposed a fundamental electrical control mechanism to account for his revolutionary results.

Kaznacheyev et al have shown that almost any cellular disease or damage can be transferred electromagnetically from one cell culture to another under special conditions. Popp has theoretically and experimentally shown that an electromagnetic master cellular control system exists in the body, as indeed has Becker. Thus it is clear and independently demonstrated that (1) disease can be created or reversed electromagnetically, and (2) the fundamental cellular control system is electromagnetic in nature. We comment that, viewed as physical materials, the cells and their constituents are sufficiently nonlinear that their EM functions, responses, and effects transcend the present classical EM model. A modern addition to nonlinear electromagnetics is the methodology and results of nonlinear phase conjugate optics (NLO). Accordingly, understanding of the higher topology EM/bioeffects functioning requires application and understanding of NLO principles, regardless of frequency band.

We also extend the general relativity model by addition of higher topology EM. We incorporate the Stoney/ Whittaker/Ziołkowski decomposition of the scalar EM potential into hidden bidirectional waves. This is then applied to structure and engineer the vacuum. The method is also capable of structuring and engineering both mind and matter.

As a case in point, the elements of the new EM bioeffects approach are applied to the Gulf War Syndrome - the strange conglomerate of illnesses and symptoms developed by many Gulf War participants, usually beginning shortly after their arrival back in the United States from the MidEast. Previously unrecognized biological effects of a dense EM signal environment are advanced and their causative mechanisms explained. These "dense signal environment" bioeffects, coupled with other simultaneous biologically-active suppressants, allow a full explanation of the Gulf War Syndrome and its characteristics. Both normal and anomalous symptoms are explained. The Priore approach extends and complements Becker's pioneering approach by allowing positive engineering control of dedifferentiation of cells and their redifferentiation. A cancer cell may be regarded as a dedifferentiation or partial dedifferentiation of a normal cell back toward a more primitive or "immature" geological form. In NLO terms, this is a form of phase conjugation (time reversal) of the cell back toward a previous state, or even its ancestral cellular form (see figure 1 below). By phase conjugating the cancer cell anew and amplifying the process, the diseased cell can quickly be reversed back to a normal cell.

It is possible, using the Priore technique, to phase conjugate cells in the body, including all of them simultaneously if need be. Further, conjugation tion and extension of electromagnetics, quantum mechanics, general relativity, and biology. It should be capable of reversing most physical and mental disorders that assail a biological organism.

INTRODUCTION

In this paper we discuss the present method of utilizing EM energy in science and engineering, and also discuss a radically different second method that is beginning to emerge (see Table 1 on following page). The main text is an overview, with technical elaboration in the footnotes.

The first (Type 1) engineering method may be likened to a leaky pipe: We always pour in more energy than the work we get back out. We have to furnish the

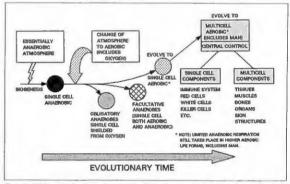


Figure 1. Cellular path taken in development of aerobic cells and multicellular bio-organisms. Dedifferentiation of a cell or small group of cells back before centralized cell control yields cancer. The body's control system oxiter she cell to dedifferentiate back toward an anaerobe, breaking its own control.

can be made specific to the type of cell or tissue one desires to affect. One need not "know" the specific disease's "EM signal complex," one must simply "pump the cell correctly" where it and its parts are treated as pumped phase conjugate mirrors (PPCMs). In a higher EM topology, the "diseased-cell-as-a-PPCM" already possesses a special "standing signal wave" input that represents the erroneous vacuum engine associated with the change to the specific disease state. Pumping the cell in this special EM topology creates the precise, amplified vacuum anti-engine in this same special EM topology and renormalizes the cell.

Because of the special EM topology utilized, direct engineering of both mind and matter are provided by the new approach, which also represents a unificaprimary energy used to do the work from an external source. A few of our devices, such as a common heat pump, are open systems extracting and using some excess energy from an external source. These devices may have a coefficient of performance (COP) — work output of the machine divided by work done on the machine to run it — of greater than unity. However, the vast majority of our machines have COPs of less than 1.0. Many of them have COPs of less than 50%, and many have COPs of less than 30%.

As can be seen, Type 1 engineering is very wasteful of energy! In a sense, the present struggle to attain room temperature superconductivity is a struggle to eventually have many more machines that attain a COP approaching 1.0, and so decrease the waste of energy in our

Table 1. Two Ways To Do Engineering.

- Type I Engineering: Vacuum Quiescent, Use External Energy Upon Matter
 - Does not involve mind, thought, life, time streams
 - Time is not an observable
 - Must furnish all the energy
- Western science uses this method.
- Type 2 Engineering: Gate and Structure the Vacuum Flux Itself
 Involves mind, thought, life, time streams
 - Time is an observable
 - Furnish only initial energy, and maintenance
 - Use vacuum's energy (vacuum engines)

Type 1 machines. Vacuum engines allow COPs of far greater than 1.0.

After several decades of painful progress in understanding the nature of the quantum mechanical vacuum, today it is accepted in physics that the vacuum itself is a seething inferno of electromagnetic energy. It is thus a legitimate source of energy, could we but extract and use it. This is now accepted both by leading physicists and by the U.S. Patent Office. Further, as of 1993 it has been clearly shown that, contrary to conventional objections, thermodynamics does not rule out the extraction and utilization of the vacuum's energy as heat and power to operate our engines.

We have now reached one of the great scientific plateaus of history: (1) The vacuum is emergetic, containing an incredible density of electromagnetic energy in a violent flux. (2) at least in theory, it is possible to extract energy from the vacuum and utilize it, and (3) every particle of mass exists as a nonlinearity in a violent flux of virtual particle energy exchange with the vacuum. In short, every system is an open system, being violently "driven" by the vacuum flux, where normally the "driving flux" is in eaulibrium or nearly so.

This paper briefly describes a great new scientific breakthrough which is approaching as a result of the new understanding of the vacuum energy. This new scientific development will usher in the greatest change to humanity of all time (see Figure 2). It is characterized by the

laboratory ability to: (4) Deterministically structure and gate the vacuum's fierce flux of virtual particle energy even at a distance and make vacuum itself an engine to do any kind of work on an embedded physical system that we choose.4 (5) Deterministically form a quantum potential.

and utilize this potential to achieve essentially instantaneous action at a distance. If (6) Engineer the hidden inner structure of any potential; this includes also the potential for the Schroedinger equation, including Bohm's quantum potential, so that physical reality can actually be engineered prior to the collapse of the wave function and the occurrence of the quanturn change. This is engineering and altering an entity in its pre-reality state. (7) Engineer and alter the flow of time and the laws of nature in a particular area, including the entire planet or solar system. (8) Simply and cheaply treat and cure essentially every present infectious disease and many other abnormalities. This includes cancer, leukemia, AIDS, malaria, sleeping sickness, arteriosclerosis, etc. - even mental disorders. It also includes reversing the effects of the aging process. (9) Directly engineer, form, create, heal, or modify mind, thought, longterm memory, life, etc. And finally, (10) Directly engineer and alter the species quantum potential, an entire species, and the planetary quantum potential for all species and all living creatures on earth.

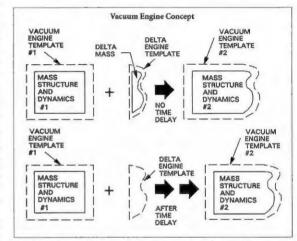


Figure 2. The vacuum engine concept. Addition of a vacuum engine (lower block diagram) alters mass and its dynamics after a time delay. Type 1 engineering uses the top level block diagram.

¹Daniel C. Cole and Harold E. Puthoff, "Extracting Energy and Heat from the Vacuum," Physical Review E, 48(2), Aug. 1993, p. 1562-1565.

¹In other words, to perform vacuum engineering, extended from the suggestion of Nobel Laureate T.D. Lee (Particle Physics and Introduction to Field Theory, Harwood, New York, Chapter 25: Outlook, "Possibility of Vacuum Engineering," p. 824-828.). Lee recognizes that vacuum engineering can in theory be accomplished, but also that this has newer even been tried.

For a presentation of the mechanism for creating a quantum potential, see T.E. Bearden, Gravitobiology, Tesla Book Co., Chuka Vista, CA, 1991, p. 33-36.

"The weapons developers are slowly grappling their way toward this new science, which the Russians call energetics. Application to the physical world at large is just referred to as energetics. Application of unit of mind engineering is called psychoenergetics. Application to the physical body and its structures is called bioenergetics. In the U.S., development of mind and behavior alteration and control is now being dealt with in embryonic fashion under the subject heading of nonlethal warfare.

This paper is an informal "quick note" to point out the new scientific plateau and introduce the second kind of science and engineering. The new vacuum engineering offers the greatest threat to humanity that has ever existed, 0.9.10 and at the same time offers the greatest promise of benefit.

For our very survival, it is absolutely imperative that informed citizens be aware of this dramatic change, which is just now starting. The powerful new science and engineering must be controlled and used for humanity's benefit, not its detriment. Else it will eventually be let loose unrestrainedly, to destroy all life on earth - a possibility indicated by Nikita Khrushchev in 1960.11

THE FIRST KIND OF ENGINEERING (TYPE 1)

First there's the normal way to do engineering (Type 1), which we are all taught as engineers and scientists. Here the vacuum/spacetime itself stays inert and out of our way.12 We ourselves furnish energy into or onto the system we are trying to move or activate, spilling some of this energy all the while, and we struggle until we get the mass to move and the system to operate and perform

This "first kind" of engineering is essentially a continual wrestling match. Nature herself is the opponent. The engineer furiously struggles with nature, to force her to do the work he wishes to do. This is the only overt kind of engineering presently done on earth. It is primitive and severely limited in what it can do. In Type I engineering, the mind and thought are not affected since the flow of time connectivity and the flow of mind connectivity are not affected.

THE SECOND KIND OF ENGINEERING (Type 2)

Clandestinely, however, the Russians (actually, the KGB) in their secret advanced weapons labs, and three other nations not hostile to the U.S., have also weaponized a second kind of science and engineering, but kept it firmly a secret of the highest order. The second kind of engineering (Type 2) is dramatically different, far more powerful, and essentially unlimited in what it can do. Some of the simpler elements have spilled into the open press. For example (see Figures 3 & 4 on next page), Vlail Kaznachevev and his colleagues have shown, in thousands of meticulous experiments, that almost any disease or damage to cells can be induced in an isolated cell culture by electromagnetic radiation from the diseased or damaged culture, if a full harmonic interval (infrared to ultraviolet) is open for electromagnetic (photonic) exchange between the cultures.13 The present author's proposed mechanism for the Priore and Becker results also explains the Kaznacheyev results.14 It also explains the decades-long Russian induction of health changes and diseases in the microwave radiation of the U.S. Embassy in Moscow, 15

In Type 2 engineering, the background vacuum/spacetime itself is deliberately altered, structured, and made asymmetrical. One then uses this struc-

Terminology after Nobel Laureate Lee, ibid., p. 383. Lee points out that the microscopic structure of the scalar vacuum field is not utilized. The particulate flux structure can indeed be engineered, but this has never even been iried by conventional physicists. An excellent coverage of asymmetries and observables is given on p. 131-186. E.g., whenever a symmetry is spontaneously broken, a monobservable (virtual antity) has been observable. There thus exist vacuum engineering mechanisms for the direct translation between virtual and observable states. Indeed, a whole new vista has opened in physics - some are calling it a "new physics" - due to the the united translation observed within and observation state. Instead, it would not not be provided by the state of the discovery that it is possible to discovery that it is possible to discovery duration electrical parally in virtual state into observable state. E.g., see Serge, Harche and Daniel Keppner, "Cavity quantum electrodynamics," Physics Today, Jan. 1988, p. 24-30 for an overview. In 1979 to present author foresam, albeit cutsely, the mercegene of virtual state engineering by means of a possible hyperpainal (virtual state) amplifiers. See T.E. Bearden, Writtual state engineering and its implications, in floring mixture Systems, Report

*The Russian weapon engineers model the vacuum as a virtual EM dipole plasma, rather than as a simple particle flux; e.g., see A.V. Chernetski, "Processes in Plusma Systems with Electric Charge Division," Georgi Pleckonov Institute of National Economy, Moscow, 1989 for an introductory theoretical exposition of the basic model

with respect to physical energy systems.

**Use of dipoles focuses immediately upon the hidden electromagnetics. Application of plasma theory then exposes the higher nonlinear EM aspects and the characteristics of a higher topology EM theory. Interestingly, Priore used all the elements fitting this theoretical model, employing a giant plasma-filled tube for multi-signal EM mixing, to produce "hidden EM" vacuum engines.

**Decades ego, the Russians also applied the virtual EM dipole plasma vacuum to the problem of direct engineering of mind, behavior, and cellular control functions. For

the fact that they succeeded in decoding the mind/brain/s operations, see S.K. Lisitsyn, "New approach to the analysis of electroencephalograms," Problems of Bionics (Selected Articles), p. 16-25, National Technical Information System Report AD 730045. See also the various references by Kaznacheyev, sanitized by the Soviet State at the time to prevent revealing the actual primary mechanisms.

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For a partial discussion of Khrishichev's instanent of the impending availability of such new Soviet superweapons, see Max Frankel, "Khrushchev says Soviet will cut forces a third, see "Frankels Weapon", New York Times, Jan. 15, 1980, p. 1, 1980, p. 1

equilibrium. So action and reaction are balanced in all directions. With no observable asymmetry, no single net force accumulates for the observer to see, and the vacuum appears to be an "empiness."

"See Vlail Kaznacheyev and L.P. Mikhailova, Ultrawook Radiation in Intercellular Interactions, [in Russian], Novosibirsk, 1981. Vlail Kaznacheyev, "Electromag netic Bioliformation in Intercellular Interactions, "Psi Reaeach, [1], Max. 1982, p. 47-76 contains an English translation of much of the information referenced in Kaznacheyev's 1981 book. See Viall Kaznacheyev et al., "Distant intercellular interactions in a system of two tissus cultures," Psychoenergetic Systems, [13), Max. 1976; "Apparent information transfer between two groups of cells," Psychoenergetic Systems, [1], Dec. 1974; V.P. Kaznacheyev, "Information function of Ultraweak Light Flows in Biological Systems," in Problems in Biological Systems, "in Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems," in Problems in Biological Systems, "In Problems in Biological Systems, "In Problems," in Problems, "In Problems, "I of Humanity. Problems of New Cosmogony. Elendis-Frogress, Tomsk, Russia, 1992.

"See T.E. Bearden, Gravitobiology, Tesia Book Co., P.O.B. 121873, Chula Vista, CA 91912; 1991. See also Bearden, Cancer and the Unresolved Health Issues in the

Biological Effects of EM Fields and Radiation, Tesla Book Company, 1993.

"The Soviets radiated the U.S. Embassy in Moscow with weak microwave radiation for decades, starting in the early 1950s. Anomalous health changes and diseases were induced in U.S. Embassy personnel. Three Ambassadors eventually died of leukemia-like illnesses of mysterious nature. The results of the Johns Hopkins scientific study of the Embassy radiation problem also provide strong evidence for the explanation, since health changes and diseases only occurred in those areas of the Embassy where the EM force fields from the radiation were zero. In other words, induced health changes occurred only in personnel in those Embassy areas where the EM force fields from the radiation had zero gradients, so that the potentials from the radiation had zero gradients, so that the potentials were persistent. This 10096 correlation to pressure potentials exclusively, is exceptionally strong evidence that the EM radiation was the actual cause. If independent of the EM radiation, health changes would not have precisely correlated to any compoa rout of the radiation! The Johns Hopkins scientists were quite competent, but only considered fassical EM theory (CBM) in their assessment. CEM assumes that, when the Jorce fields are zero, the electromagnetic actions are zero. That of course has been also you've fast are personant to the processing the electromagnetic actions are zero. The control of course has been also you've fields are the personance of the processing the personance of the personance o Eager tomentally that the potentials in the porter jeads, the view formuly values by all non-pietometals, by 4.2-42, internal selection and support of Electromagnetic Potentials in the Quantum Theory, "Physical Review, Second Series, 15(3), 1395, p. 485-49; Ferram Selwarzschild, Currents in normal-metal rings exhibit Aharonov-Bohm effect," Physics Today, 39(1), Jan. 1986, p. 17-2.] Even when the force fields are zero, the potentials may remain and provide real changes in charged particle systems by scalar interferometry. Indeed, the force fields do not even exist in wacuum, as CEM assumes. The Jans Hopkins scientists concluded – based on the erroneous CEM model they applied – that since no force fields were present where any of the health changes occurred, the cause could have been the week microwave rediation. Had into them the radiation, some of the health changes would inervisiably have occurred the EM force fields were now over the weat recovered realistant. That is not were in a radiation, some of increasing regions are required by the recovered reference to the process were not realistant or increase. The investigator's results fabrilled their own study's conclusion, by simple expectation mathematics. Heal they known of the SWF structured potential and its possibilities, they would have realized that by showing 100% correlation to the force-free potentials, to recover the results of the realization that was indeed the realization as the actual colored to the realization of the realization Bearden, Gravitabiology, 1991, p. 27-32.

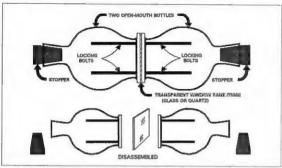


Figure 3. Kaznacheyev's two-chamber apparatus. A cell culture is divided into two parts. Left ones are damaged or killed. Effect is replicated in right cells through windowglass, but not quartz.

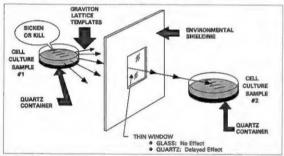


Figure 4. Kaznacheyev's cytopathogenic mirror effect; Death and disease transmission via graviton lattice templates. Quartz passes a minimum G-lattice, glass does not.

tured, asymmetrical vacuum to do the work and furnish all the required energy flow.

The vacuum is known to be a seething inferno of energy. It is a violent flux of virtual particles, according to quantum mechanics (QM). A virtual particle is one which quantum mechanically arises out of nowhere and almost instantly returns to nowhere. It may be highly energetic and "hotter than a fire-

cracker" while it exists. But its span of existence is so short that our instruments cannot individually detect it.

However, we can and certainly do experimentally detect the result of the interaction of large numbers of virtual particles. Physics states that all forces of the universe are caused by the exchange of such virtual particles. It is also theoretically and experimentally proven that every particle of mass is in a violent virtual particle flux exchange with the surrounding vacuum. Several experiments directly show this — the Lamb shift for one.¹⁷ The Lamb shift is largely due to flux exchange with the vacuum, and involves a local energy density far greater than the surface energy density of the sun's surface.

VACUUM ENGINES: ORDERING AND UTILIZING THE VACUUM VIRTUAL PARTICLE FLUX

In Type 2 engineering, one structures and orders the violent virtual particle flows of the fundamental vacuum/ spacetime (VST) itself.18 Accordingly, it alters and orders the vacuum's violent energetic exchange with any mass particles and physical systems in the area. One oneself does not input the energy that does the actual work on the material system located in that region of VST. Instead, one only inputs the energy necessary for the gating and directing of the VST flux energy in that area. This structuring and gating of the virtual particle flux forms an organized, energetic pattern which I have dubbed a vacuum engine (after Nobel Laureate Lee's recognition that the vacuum itself could in theory be engineered, but that such had never even been tried).

This vacuum engine now does the work and furnishes all the working energy. We just have to pay to set up the gating mechanism and the template in the beginning, and continue to pay a little bit to sustain them. Literally we have created

"W.E. Lamb, Ir. and R.C. Retherford," Firm structure of the hydrogen atom by a microwave method," Physical Review, Vol. 22, 1947, p. 241-243. Demonstration of the displacement of one of the fine structure electron states of the hydrogen atom by a frequency of about 1060 megacycles played a central role in the development of quantum mechanics, and earned Lamb the Nobel Prize. The observation makes the reality of dynamic vacuum fluctuations inescapably evident.

"Since the vacuum can be altered, we now must speak of various vacuum, not just one." A" vacuum, "a" spacetime, and "a" scalar potential are synonymous. "The" ambient vacuum at any local point is a malestrom of the scalar (hidden maleswee) interferometery of potentials from every charged particle in the universe (adapting Puthoff's Cosmological Feedback Principle). This scalar EM interferometry creates the EM fluctuations of the quantum mechanical vacuum, by Whittaker 1993 & 1993.

[&]quot;For a good overview of the active vacuum, see R. Palolny, Something Called Nothings, Physical Vacuum: What Is 12, translated by Nicholas Vacintum, Mir Publishers, Moscow, 1986, revised from the 1983 sussian edition. See also I, IR. Auchison, "Nothing's plenty: The vacuum in modern quantum field theory," Contemporary Physics, 26(4), 1985, p. 333-391; Jack S. Greenberg and Walter Greiner, "Search for the sparking of the vacuum," Physics Today, 35(6), Aug. 1982, p. 24-32; Richard E. Prange and Peter Strance, "The semiconducting vacuum," American Journal of Physics, 52(1), Jan. 1984, p. 19-21; Valiter Greiner and Jourgh Hamilton, "Is the Vacuum Really Empty?", The American Scientist, 88(2), Mar. Apr. 1980, p. 134-164; Timothy Boyer, "The Classical Vacuum," Scientific American, Aug. 1985, p. 70. See also important papers by H.E. Puthoff: Source of vacuum electromagnetic zero-point energy, Phys. Rev. A, 40(5), Nov. I, 1988, p. 4357-4862; Torrity as a zero-point fluctuation force," Phys. Rev. A, 36(5), Mar. I, 1989, p. 233-2342; and "The Energetic Vacuum: Implications for Barryy Research," Speculations in Science and Technology, 13(4), 1990, p. 247-257.

"W.E. Lamb, Ir. and R.C. Richerford," Fine structure of the hydrogen atom by a microwave method," Physical Review, Vol. 72, 1947, p. 241-243. Demonstration of the

a stupendous energy amplifier.16 By continuing to expend a little maintenance and steering energy, we can gate and utilize the energies of an enormous engine which can apply incredible energy densities, even at a distance. In principle it can apply anything from a feather's touch up to the explosion of a star. It can be used to engineer anything from a single particle or wave, to the atomic nucleus, to a planet or a sun.29

ENGINEERING GENERAL RELATIVITY & NESTING SPACETIME CLIRVATURES

We actually engineer general relativity (GR) itself, since the Stoney,21 Whittaker,22 and Ziolkowski23 (SWZ) papers point the way to how to do just that (see figure 5). In short, by using the SWZ approach, one is able to utilize electro-magnetics in a new way, to directly form these curvatures of local spacetime. We also nest these curvatures to form a template of structured multiple curvatures; this template constitutes the deliberate format of the vacuum engine (see figure 6).

Indeed, this is a radically different concept of spacetime structure. It is well-known that, whenever one applies a local hidden variable theory, the GR theory of spacetime structure must be radically altered.24

We stress that, in Type 2 engineering, one directly extends, applies and engineers general relativity, but by a novel use of electromagnetics. As can be seen, establishment science is not doing that at all, but is doing only Type I engineering. Literally anything one wishes can be engineered in the Type 2 fashion, at least in

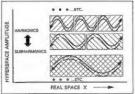


Figure 5. Stoney/Whittaker/Ziotkowski internal EM biwave structure of the scalar EM potential.

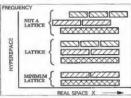


Figure 6. Gray iton lattices and nonlattices. Templates require G-lattices. Minimum lattice is one harmonic interval.

theory, including transmutation of elements, materialization and dematerialization of matter, free energy electrical power sources, and antigravity. However, Type 2 engineering is even more powerful than that. It also is the ultimate form of virtual reality engineering, for it allows the direct engineering of both physical reality and the mind itself.

MIND. 3-SPACE. HYPERSPACE, MIND FLOW, AND THE FLOW OF TIME

Mind exists in time, but not in our familiar 3-space. Mind does not exist spatially in the same 3-space in which we model physical phenomena.25 Mind occupies (to the physicist) only one dimension - the time dimension - of Minkowski's 4-space of physical matter. This means that the attachment of mind to matter (in a living biological organism) involves a mind flow process, hidden in and occupying the time flow process (see figure 7 below).

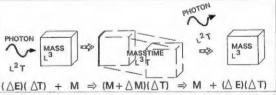


Figure 7. The photon interaction generates observed quantum change and the discretized flow of time. A particle usually connects to only a single delta T at a time. Every other particle is connected to that small increment of time also, as are all minds.

"An example of such an actual amplifier was Floyd Sweet's vacuum triode -. a 6-lb., solid-state device containing special coils and two separated barium ferrite magnets. The magnets were specially activated by Sweet's proprietary process so as to powerfully self-oscillate at a chosen ELF frequency, such as 60 Hz. [Such selfoscillation of barium compounds are well-known, but at optical frequencies. Use of a photorefractive magnetic material that is also an insulator allowed Sweet to initiate self-oscillation at ELF frequencies.]. An input sine wave of 10 Volts and 33 microamperes then produced 500 warts of phase conjugate replica EM power, insular sep-oscination in EEP requestives). At the pin we wave of at verification and the indigent explanation of the self-oscillation energy between the vacuum and the indigents. The amplifier gain (COP) of the sopen system, self-oscillating pumped phase conjugate mitror device was some 1,500,000. A successful autigravity of the device was slope permanent of sweet at my urging, and resulted in a controlled resolution of its weight on the laboratory bench by 590s. For a sinch as could be everwaled of the operation and steams of Sweet's proprietary device, see Floyd Sweet. teaution of its weight to the tacobathy generally 2004. The transmission of the 26th Intersociety Energy Conversion Engineering Conference (IECEC 91), Boston, Massachusetts, 1991, p. 370-375. Unfortunately nobung can be done with the device — e.g., because of for midable legal entanglements due to the conflicting agreements Sweet made with different financial backers. However, McLann & Wooten have produced reprobable, tested, overtunity device & full construction details have been rebuilt on Internet.

³In the modern geometrical view, all individual field energies come from the conglamerate structure called "gravitational field." Transforming one field energy into another kind map he done by first transforming the initial field energy back into G-field energy, then re-releasing the G-field energy as the desired new type of field energy.

G. J. Stoney, "XLVIII. On a Supposed Proof of a Theorem in Wave-motion, To the Editors of the Philosophical Magazine," Philosophical Magazine, 5(43), 1897, p. 368-373. E.T. Whittaker, "On the Partial Differential Equations of Mathematical Physics," Mathematische Annalen, Vol. 57, 1903, p. 333-355; "On an Expression of the Electro-

nagretic Field Due to Electrons by Means of Two Scalar Potential Functions, Proceedings of the London Mathematical Society, Series 2, Vol. 1, 1994, p. 367-372.

*Richard W. Ziołkowski, "Exact Solutions of the Ware Equation With Complex Source Locations," J. Math. Phys., 26(4), 4971 1985, p. 861-863. See also loannis

*Besieris, Arm M. Shaarawa, and Richard W. Ziołkowski, "A bidirectional traveling plane wave representation of sexale value qualiton." Math.

Phys., 30(6), June 1989, p. 1254-1269. See also Michael K. Tippett and Richard W. Ziołkowski, "A bidirectional wave transformation of the cold plasma equations," J. Math. Phys., 32(2), Feb. 1991, p. 488-492.

"E g., see Abner Shimony, "Events and processes in the quantum world," in Quantum Concepts in Space and Time, Eds. R. Penrose and C.J. Isham, Clarendon Press, Oxford, 1986, p. 192: "...local hidden variable theories may be possible only if relativity theory is replaced by a radically different theory of spacetime structure." (My comment is that this should not be surprising, since classical electromagnetics, quantum mechanics, and general relativity are in profound contradiction of each

(a) comments that ans stoom to we surprising, sinket exasticate evolution extending and machinaris, some general exactive surprising sinket exactive evolution of the results of the exactive surprising sinket and exactive of the exactive surprising surpr creature, eight to model a species, and nine to model all life on earth. The 4th dimension of the mindworld hyper-4-space coincides with the 4th dimension of the physical world's Minkowski 4-space. A priori, mind/matter engineering operations involve engineering and structuring the time stream. This allows engineering either physical reality or mental reality or both simultaneously.

Normally, so QM tells us, the observation process destroys time, so that all "observables" are spatial only. So the completion of each observable change in a living mass system momentarily destroys the only connection that the mass had with its associated mind! It vanished in the so-called "collapse of the wave function,"26,27,30 Fortunately, little pieces of time are always being serially added and subtracted by the ubiquitous photon interaction process with every mass. Hence the body's particles of mass are continually being connected to and disconnected from little serial bits of the time stream, and from corresponding serial bits of the mindstream of that individual.

Type 2 Disruption of Time AND MIND

Type 1 engineering does not disrupt or affect the flowing time stream. Hence it does not disrupt or affect the flowing mindstreams of biological systems in the

This is not necessarily true of Type 2 engineering! Type 2 engines of appreciable power can and will disrupt and destroy the

body's continual detachment from and reattachment to its mind-stream. Type 2 engines will appreciably disrupt and alter the flowing time stream, and thus disrupt and alter the flowing mindstreams of all life forms in the vicinity. The size of the "vicinity" depends upon the size of the engine. So to beneficially utilize vacuum en-

gines, we do not strive for control of vast energies. We must use a surgeon's scalpel, so to speak, instead of a giant steam hammer. If one seeks weapons, on the other hand, one will strive for control of much greater vacuum engine energies. The KGB secret laboratories, e.g., have pursued this goal for over four decades. Several generations of Type II weapons have been developed and deployed, all under continued KGB control and operation. These Type 2 weapons could, in the words of Khrushchev's address to the Presidium in January 1960, "...wipe out all life on earth if unrestrainedly used." Now one can easily see how that could happen: Any massive use of Type 2 weapons will substantially upset the time stream on earth, including all individual time streams. It will so disrupt all the mind streams of all earth's creatures that their connections to their physical bodies will be instantly broken. At least now we know why Brezhnev himself was so frightened of these weapons in 1975.29

Another unusual characteristic of Type 2 engineering is the slowly decaying persistence of any special vacuum engine structure artificially created in the vacuum. We may analyze this effect in terms of the "ghost forms" of quantum mechanics.30,31,37

ENGINEERING THE MIND. ITS OPERATIONS, AND ITS CONTENTS

The vacuum engine affects/curves/ structures not only the three spatial dimensions of ST, but also the time dimension. Hence the vacuum engine approach can be used to engineer not only the observable physical matter (which is 3-spatial), but also the mind and thought (which are time-like to the external observer). Literally one can "get into the mind's connection channel" and alter the mind, its contents, and its operations at will by using appropriate vacuum engines.

By appropriately and selectively nesting the spacetime (ST) curvature structuring, one can even reach beyond the

*Rigorously, the emission of a photon by the living mass destroys its time channel, thus collapsing the wave function and disconnecting the mind. Absorption of another photon immediately thereafter adds an increment of time back to the mass, forming masstime and reconnecting the time channel and hence the mind channel Mass does not exist in time per se; masstime does. The temporary disconnection of the time channel by photon emission causes the wave function to collapse; a priori a wave cannot exist without some time available in which to wave! This in fact produces the observable mass from masstime. The problem is that the physicists have ignored the transport by the photon of Δt as well as ΔE . Thus they have not noticed that the ubiquitous photon interaction with a mass creates the continual addition and subtraction of time increments. This continual coupling and uncoupling of mass to and from the time dimension creates a discretized flow (passage) of time for that mass. This continual connection and disconnection of a mass to and from only a tiny little piece of the time channel is responsible for the past and the future not being abservable; "being observable" is simply being connected to a single small \$\Delta\$ increment, not all the increments that have gone before or that will follow hence. When one looks at the corner of a room, the 3-spatiality of one's mass instrumentation system is why one can see length, width, and height but not the fourth dimension, time

VSince the photon interaction — including the virtual photon interactions — can be engineered, obviously the passage of an object through the discretized timestream can also be engineered, electromagnetically. Not only can a photon, electron, or proton be time-reversed, but also an assemblage of photons, electrons, protons and neutrons can be time-reversed. Among other things, this means that a diseased living physical cell can be time-reversed (dedifferentiated) back to a previous healthy state, as shown by Priore and also by Becker. Kaznacheyer, as does Becker, also shows that healthy living cell can be "time-forwarded" (differentiated) to a new state, if bombarded with the weak vacuum engine templates (graviton lattice structures) for that state. The minimum graviton lattice (ordering of SWZ wavepairs) utilizes one harmonic frequency interval. Thus quariz will pass Kaznocheyev's cytopathogenic effect, since it passes IR to UV – one harmonic interval. Ordinary

window glass does not pass a complete harmonic interval, hence cannot pass the minimum graviton lattice and destroys the disease-inducing vacuum engine template.

"Since the entire area is highly nonlinear, then nonlinear oscillator theory applies. Graviton lattices may therefore be activated harmonically or subharmonically. This means that "optical band" results can be initiated by analogous subharmonic input - e.g., microwaves or even sound waves. G-lattices work like music; one recognizes a C-chord regardless of the octave. In similar manner, vacuum engines (G-lattices) may be shifted by any number of octaves, with initiation of results then

recognizes a C-chord regardless of the octave. In similar manner, vacuum engines (G-lattices) may be shifted by any number of octaves, with initiation of results then being delayed in the responding physical systems, as prescribed by monlinear oscillators theory.

"See Christopher S. When, "Brezhnev Talk for Accord against "Terrifying Arms," New York Times, June 14, 1975, p. 1, 11.

"Since statistically every positive change in the vacuum is constantly and continually occurring in each and every differential volume, no matter how small, then from time to time in that machstrom any physical (and mental) template we care to visualize appears, exists for a very short but finite time, then disappears, then reappears, etc. Such a continual, untidy characteristic is called a ghost form, and usually downplayed or ignored in the teaching of Oh docuse it is "unpleasant."

However, mything and everything—no matter how bizarre and whether living or inter:—has a small but nonzero "density of reality" in the vacuum flux. Everything towere, anything that everything that never was and never will be, is also there. The point is, creation of a warry or will be, and everything that never was and never will be, in sho there. The point is, creation of a warry in the property of a gloss form additionable to factivates) that form. Just as a Dirac "ghost form electron" can be lifted from the wacuum by adding energy, so can any other phost form, be it "living" or "dead." The process is fundamental and not just for electrons. Adding energy to a ghost template, we increase the local energy density of that ghost from in all electrical potentials in the entire area. This structuring of vacuum spacetime extends radially in all directions, tailing off to zero at infinity. When the inputting

energy is cased, the energized/activated form will lien gradually decay over a period of time.

"We may compare the activation, persistence, and decay of the ghost form to an accumulator fed by two inputs, one blue liquid and one yellow liquid, with an outlet pipe on the opposite side. Suppose only the blue pipe is turned on, the tank is filled with blue liquid and blue liquid comes out the outlet. Now we turn on the yellow valve, and yellow liquid also starts entering. Over a period of time, the liquid in the tank will gradually turn green, as will the fluid from the outlet. Now we turn off the yellow valve. Over a period of time, the fluid in the tank will gradually turn back to blue color, as will the outlet liquid. Energizing and decaying ghost template

structuring of the vacuum works the same way.

²⁷For inputs that have raised the ghost template near or above the observable (quantum) threshold, this "decay time" may be quite long. Golden once accidentally charged up his local area with such a local template, in a powerful experiment that lasted about eight hours. Materializations occurred, determined by the thoughtform (steady ghost form) inputs from the minds of the unintentional participants. In addition, interference with the timestream occurred, as indicated by all local clacks — mechanical, electrical, pendulum, etc.— going substantially astray. The materializations decayed away in a couple of hours, simply dematerializing back into the virtual state when their average energy density level reduced pass the quantum threshold. It required four days for the entire "ghost template" to decay away and for the clocks in the area to fully resume normal operation.

ordinary 3-space and get directly into the higher dimensional space one may mathematically use to model the mind (see figure 8). One can then directly "engineer" in that pure mind arena (in the mental spacetime, in the modeling sense). This capability, I believe, was responsible for Brezhnev's vivid fear of these weapons in 1975, and his statement to visiting U.S. senators that, not only must the nations of the earth ban nuclear weapons, but also the development of new weapons of mass destruction "more frightful than the mind of man has ever imagined."33 Gromyko later introduced a draft treaty to that effect to the United Nations the same year, and urged the nations of the world to sign it.34 Article one of the draft treaty stated that the Russians would identify the type of weapons when negotiations on the treaty started. No one had the slightest notion what the Russians were referring to. However, three other nations - not hostile to the U.S. - later did develop some of these Type 2 weapons. The Soviet Union was already engaged in operational testing against U.S. and other targets, with incidents mistaken for "accidents" or 'anomalies" by the world's news agencies.35 During the beginning of the 1980s the three nations began checking the Soviet Union by demonstrating their own use of the weapons against Soviet targets. Again the open press did not recognize the true nature of the incidents involved. At the close of the 1980s the triad vigorously "checked" the Soviet Union, clearly demonstrating their ability to devastate the Soviet Union should it attempt to devastate friendly nations.

So a special case of "deterrence by massive retaliation" came into being in the Type 2 weapons area as well as in the conventional and nuclear areas. Does the reader recall, e.g., the mysterious explosion of several Soviet missile ammunition

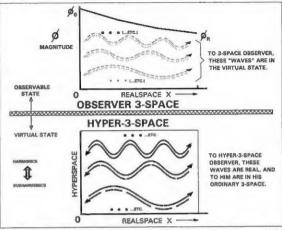


Figure 8. The 7-space EM potential. In observer 3-space (top figure), the potential is composed of a virtual particle flux. In hyper 3-space, the potential is a harmonic series of a SWZ bi-directional EM wavepairs.

storage sites in the space of a few months in 1983-84?36 A single one of these explosions destroyed a third of all the missiles in the entire Soviet Northern Fleet. There were other major incidents whose true nature and cause went unnoticed.

Frustrated in the intent to dominate the world by surreptitious, delicate use of its Type 2 weapons, the economy of the Soviets simply fell apart. The Berlin Wall was torn down and the Soviet Union broke apart into independent regional nations.

In that upheaval of the Soviet Union, however, the KGB remained intact, wellfunded, and still firmly in possession and control of the Type 2 superweapons, in-

cluding development, manufacturing, deployment, manning, and operational employment.57,31

WHEELER'S PRINCIPLE AND Its Extension

Einstein has strongly pointed out the necessity to review foundations (see table 2).

The great physicist Wheeler has a very nice statement on the curvature of spacetime. Briefly, he summarizes the gist of GR as "Geometry tells mass how to move, and mass tells geometry how to curve."39 By "geometry" he is referring to spacetime. So we may immediately sub-

"Prohibition of the Development and Manufacture of New Types of Weapons of Mass Annihilation and of New Systems of Such Weapons, draft treaty introduced by Gromyko at the United Nations' 30th session of the General Assembly, New York, Sept. 23, 1975. The first article provided that the types of these new weapons would be "specified through negotiations on the subject."

A long list of these incidents has been published by this author, through the Tesla Book Company. See T.E. Bearden, Soviet Weather Engineering Over North America, 1985; Fer-de-Lance, 1986; AIDS: Biological Warfare, 1988, Analysis of Scalar Electromagnetics, 1990, and Gravitobiology, 1991.

**1566.5; Per-az-Lunce, 1960., ALMS. antiougus major 1960.; Patalog dy Gasta. Action of the Control of the C

5º To survive as the leader of Russia, Yeltsin of necessity formed a pact with the KGB. KGB support insured that no coup of substance could be mounted against him, and that the KGB would insure his remaining in power. In return, Yeltsin saw that the KGB was well-funded, remained intact, retained all its secret weapons laboratories and secret weapon scientists and manufacturing facilities, and retained and continued to operate all its deployed, operational superweapons. The KGB changed its name and continued business on a less public profile. Publicly it officially turned a "much gentler face" toward the Russian citizenty. But essentially the KGB still controls most of the Russian military officer corps. Through the KGB/military connection the Communist Party can still accomplish a military coup and seize control of the country again, at least for the foreseeable future, when it chooses to do so. The Russian threat has not disappeared; it is simply hibernating.

The Communists/Generals in control of the KGB and these superweapons are perfectly capable of turning the unfortunate dissolution into an excursion scenario of their long-planned major concessions offensive prior to ultimately striking the West with a clenched first and destroying it. The communist aim has not changed one tota since 1917, although the communists have temporarily lost or relinquished control over the Russian civilian populace. For a description of this "29th move of the chess game," see T.E. Bearden, "Glaunost: 29th Move of a 30-Move Chess Game," Raum & Zeit, 1990.
"W. Misner, K.S. Thorne and J.A. Wheeler. (1973) Gravitation, W.H. Freeman and Co., San Francisco, 1973, p. 408. On p. 5 the principle is stated as "Space acts on

matter, telling it how to move. In turn, matter reacts back on space, telling it how to curve." Thus space is already a vacuum engine that acts on matter, and mass-

energy acts on space to curve it.

Table 2. Einstein on Reviewing Foundations

"...the scientist makes use of a whole arsenal of concepts which he imbibed practically with his mother's milk; and seldom if ever is he aware of the eternally problematic character of his concepts, He uses this conceptual material, or, speading more exactly, these conceptual tools of thought, as something obviously, immutably given; something having an objective value of truth which is hardly even, and in any case not seriously, to be doubted...in the interests of science it is necessary over and over again to engage in the critique of these fundamental concepts, in order that we may not unconsciously be ruled by them."

Albert Einstein, "Foreword," in Max Jammer, Concepts of Space: The History of the Theories of Space in Physics, Harvard University Press, Cambridge, Massachusetts, 1969, p. xi-xii.

Table 3. Wheeler's Principle and a Corollary

Wheeler

"Geometry tells mass how to move, and mass tells geometry how to curve."

By "geometry" is meant "spacetime." Translating: "Mass tells spacetime how to curve, and curved spacetime tells mass how to move."

Corollary

"Trapped EM energy tells spacetime how to curve. The structuring of that trapped EM energy tells the resulting curved spacetime how to nest its curvatures. This forms a vacuum engine. Its nested curvatures of local spacetime tell mass and energy how to structure and move. By forming vacuum engines deterministically, one may use them to affect, after, and change local mass, energy, and mind as desized.

stitute synonyms to yield "Mass tells spacetime how to curve, and curved spacetime tells mass how to move."

We further modify and extend this latter statement, replacing mass by its trapped EM energy (this is consistent with general relativity) and adding nesting of such trapped energies. We also allow for altering the timestream, the mind, and the mindstream. With these modifications, a corollary to Wheeler's principle results as follows: "Trapped EM energy tells spacetime how to curve. The structuring of that trapped EM energy tells the resulting curved spacetime how to nest its curvatures. This forms a vacuum engine. Its nested curvatures of local spacetime tell mass and energy how to structure and move. By forming vacuum engines deterministically, one may use them to affect, alter, and change local mass, energy, and mind in any manner desired" (see table 3).

To gain a "feel" for spacetime curvature, one may visualize it as analogous to the variation of local pressure in a gas or fluid. Using the earth's atmosphere as a model, we may precisely create pressure points and areas (lows and highs) throughout, and gradually move them at will. This control of highs and lows will allow control and direction of the atmospheric flows. Theoretically, the entire atmospheric flow of the earth can be steered and controlled, by using such an approach. In short one can directly "steer" the weather worldwide, or over a given continent. Present Russian development allows this weather control process to be done sufficiently to control and steer the great jet streams, with concomitant direct influencing of the weather. We have not had any truly "normal" weather over the U.S. since 1976.

TYPE 2 ENGINEERING Is JUST BEYOND THE PRESENT VANGUARD OF SCIENCE

As can be appreciated, Type 2 engineering is beyond vanguard science. The forefront of orthodox science is still where Wheeler's original statement is, and does not apply the SWZ methodology nor nesting of spacetime curvature. Science still does not even try to create vacuum engines and perform vacuum engineering (see table 4 on page 76). Conventional scientists are still very firmly rooted in Type 1 engineering.

In ordinary GR, nowhere does there appear a precise definition of the term "gravitational field," The G-field is just a conglomerate of loose things, and — by Sakharov's postulate — not a fundamental field of nature at all. It already follows that, since "gravitation" is geometry of spacetime," then "curvature" of spacetime is achieved by altering and changing the "conglomerates that comprise G-field" from their ambient conditions. The ability to structure and nest such curvatures also follows in straightforward fashion. "

PUMPED PHASE CONJUGATE MIRRORS AND THE PRIORE MECHANISM

The astounding thing is that Antoine Priore, using pure intuition, was able to arrive at an exact process for forming a special kind of beneficial vacuum engine!⁶

We know today - but scientists did not know it when most of Priore's work was being done! - that a highly nonlinear material acts as a phase conjugate mir-

*It is actually the variation of the local energy density of the vacuum from its normal value.

A.D. Sakharov, "Vacuum Quantum Fluctuations in Curved Space and the Theory of Gravitation," Soviet Physics Doklady, Vol. 12, 1968, p. 1040-1041 [English translation.] Sakharov's article (in Russian) is in Doklady, Akad. Nauk SSSR, Vol. 177, 1967, p. 70-71.

"General relativists already accept the vacuum as containing a 4-momentum-flux river. See Misner, Thorne, and Wheeler, Gravitation, 1973, p. 130-131. They treat the stress energy tensor as a machine (lbid., p. 131). The only inflictly is thus they have not realized that, by applying the SWZ approach, much more complicated vacuum machines! than they have considered can be built and utilized decorromagnetically.

"See Christopher Bird, "The Case of Antoine Prior and His Therapeutic Machine A Scandal in the Politics of Science," Explorel, 5(5-6), 1994, p. 97-110 for an excellent summary of the Prior Affair. The Priore group cure terminal tumors, sleeping sickness, and arteriosclerosis in lab animals and restored suppressed immune systems. Eminent, even world-remowned French scientists worked with him. The work was funded by the Prench government and published in leading French scientific journals. It was suppressed when the French government changed to a leftist government in the mid 70s.

^{*}See T.E. Bearden, Soviet Weather Engineering Over North America, 1-hr. videotape, 1985. Available through the Tesla Book Co. In the last few years, the Russians have substantially increased their weather engineering capability and activity. Most of the transmissions from this system are now fairly good electrogravitational waves (coupled wave/antiwey pairs), with EM imperfections many dB below signal level. Hunderds of them are utilized when the system is actively employed over the U.S. By applying Whittaker 1904, these signals - invisible to the normal receiver — can be received and displayed.
*Whiten, Thorac and Wheeler, Carvitation, 1973, p. 399.

ror*6.47 (see figures 9 & 10). In other words, when one puts in a sine wave, e.g., in addition to producing harmonics the non-linear material will also produce a strange, backward-traveling replica of the input wave. This "backward wave" has been well-known since the early 1970s. It is truly a time-reversed wave (Barus wrote the solution much earlier). If It will backtrack back through space, over the exact path taken by the input wave. So offitnous, this "phase conjugate replica" (PCR) time-reversed wave will precisely appear everywhere in space that the input wave courjes.

The key here is "everywhere in space." It does not matter how tortuous and twisted the route taken by the input wave; the PCR will backtrack it and appear spatially superposed with it. This has been experimentally proven many times in nonlinear optics. 30 One concludes that the vacuum has a memory, 30 and the PCR wave can retrace the memory of the path previously taken by its stimulus.

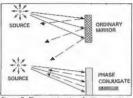
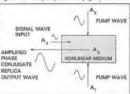


Figure 9. Phase conjugate refection vs. mirror reflection.

Figure 10. Pumped phase conjugate mirror.



Another nice thing has been discovered and is used in the relatively new non-linear optics. If one "pumps" the phase conjugate mirror with opposing waves (such as, e.g., bidirectional EM wavepairs), then up to all the energy in the pump waves is absorbed and re-emitted in the "crawfishing" PCR wave.³⁵ In other words, the stimulated PCM can be made into an amplifier of the time-reversed wave output, just by "pumping" it with the proper bidirectional wavepairs.^{34,55}

Anomalous "Bio-Jamming" and Deep Diffusion by EM Smog

Pumping by EM waves or by simultaneously varying EM forces due to opposing streams of photons will produce a much higher probability of 4-wave mixing and multiphoton interactions. Simply put, this probability is a function of the sheer photon/signal density, along the lines pointed out—but not clarified—by

"Elsewhere we have pointed out that, for the primary EM interactions with a living system, we must employ an electromagnetics of higher topology than the conventional EM (either vector or tensor). Barrett has shown that a higher topology EM will involve and exhibit nonlinear apitical functioning without necessarily employing optical materials. See T.W. Barrett, "Issia's Nonlinear Oscillators, Shuttle-Circuit (OSC) Theory," based see la Fondation Louis de Broglie, 16(1), 1991, p. 23-41. Thus if we with to utilize higher topology EM functioning in and on the body/mind, or just to comprehend such functioning, the nonlinear optical processes will form part of that functioning. We must be familiar with phase conjugate optics functions, regardless of the frequency range we operate within, and we must examine the situation accordingly.

In the conventional struggle to elucidate EM effects on biological systems, the failure to realize this higher topology principle has led to experiments that are often difficult or impossible to replicate, primary interactive mechanisms remaining a mystery, and the mability to definitively answer even the simplest question such as "Does power line realisation enhance the emergence of cancer and leukemia, and if so, how and under what circumstances?" Forty years of research by able and determined EM bioeffects scientiss have thus failed us, because the model they so stringently apply in grossly in error. What they have horoughly proved is that their fundamental model is more and in the place throughly proved is that their fundamental model is more and in the place throughly proved in that their fundamental model is more and the understand of the interaction of the province and the continue more experiments in the same wein, but to revise the model itself. We have previously pointed out (Bearden, Cancer and the Unresolved..., 1993, ibid., p. 40) the present EM bioeffects model, the modification areas required, and how to ascertain when the adjusted model is correct.

*Carl Barus, "A Curious Inversion in the Wave Mechanism of the Electromagnetic Theory of Light," American Journal of Science, Vol. 5, Fourth Series, 1898, p. 343-348 gives the first known solution of Maxwell's equations for a time-reversed or "backwards-traveling" EM wave.

"According to the well-known "Distortion Correction Theorem" of nonlinear optics. For a precise statement of the theorem, see Annon Yarw, Optical Electronics, 3rd Edn., Hols, Rinehart and Winston, New York, p. 500-501. See particularly Chapter 16: "Phase Conjugate Optics — Theory and Applications."

Earn., Holl, Rinehart and Winston, New York, p. 500-501. See particularly Chapter 16: "Phase Copyinged to Picts"—Theory and Applications."

For the space-bornel laser, e.g., the U.S. uses iterative phase conjugation – known as self-targetime—of a bootter-reflected laser signal to keep a powerful laser beam locked upon the same spot on a distant missile booster, rising during its launch phase, long enough to burn through the casting and destroy the booster, even 10,000 miles away. The process is known as phase conjugate shooting.

⁴A striking example is given by David M. Pepper (1986) "Applications of Optical Phase Conjugation," Scientific American, 254(1), Jan. 1986, p. 75. Possibly the best extant introduction to the subject of nonlinear optical phase conjugation is David M. Pepper, "Nonlinear Optical Phase Conjugation," Optical Engineering, 21(2)

March/April 1982, p. 156-183.

³⁴Without extended discussion we call attention to the importance of this finding with respect to homeopathic medicine and therapy. In fluids, obviously one proceeds from vacuum flux or ganization and memory upward through matter's organization (and hidden memory), through the individual particles of the nucleus, to the nucleus, to the atom, to the molecule, etc. Setween the atom and the molecule levels we encounter hydrogen being actions in fluids, which is of great importance to the biochemistry, especially the protein chemistry. It is possible to show that the mind operations and the cellular control operations also SWZ structure the H-bonding activities of the body's aqueous fluid; it can also be shown that any chemical, drug, additive, and EM smog also structures and affects the H-bonding. However, further discussion of these two elements is beyond our scape for this presentation.

Onte that "pumping" is simply a expansion of the notion of stressing the material. Emission of the amplified PCR wave is a kind of piezoelectric release of the stress energy. The point is that physical stress of a material can be freely supped and energy continually extracted, if that stress is varying. The McLain/Wooten device uses that principle.
"To create a normal PCR wave response to an over EM signal wave input, nonlinear optics uses over EM pump waves. For the hidden EM signal wave input, nonlinear optics uses over EM pump waves. For the hidden input — i.e., for

To create a normal PCN wave response to an over ten signal wave input, nonunear opius uses over ten jump waves, For ine nadem Les ignal wave input—1es, jor the hyperspatial wave mental signal entire "in miss be pumped by hidden (hyperspatial) EM waves inside a scalar EM potential. In the normal case, an amplified, normal EM PCR wave is produced in response to a normal signal wave input and normal pump waves. In the vacuum engine case, an amplified, hyperspatial EM PCR wave complex is produced in response to a hyperspatial signal wave input and hyperspatial pump waves.

*Note that the amplified PCR wave represents a reorganization and deterministic redirection of stress energy. Hence it is a time-reversed operation, and also a negeritropic operation. Since the PPCM operates as an open system not in thermodynamic equilibrium, with op of excess energy in the form of the pumping, negentropic operation is permitted by nonlinear thermodynamics (of a system for from thermodynamic equilibrium). For a lay summary of such thermodynamics, see Gregoire Nicolis, "Physics of for from-equilibrium systems and self-organization," in Paul Davies, Ed., The New Physics, Cambridge Oniversity Press, Cambridge, 1989, p. 316-47. For a more technical presentation, see G. Nicolis and I. Prigogine, (1987), Exploring Complexity, Piper, Munich, 1987. Prigogine received the Nobel Prite for his pioneering work in this field.

Devyatkov et al.56,57 Thus dense electronic smog -- even though it contains only extremely weak signals creases the nonlinear optics type of interaction. This allows anomalously deep pen etration and diffusion of special weak EM signals due to the "pumping" aspect of multiphoton interaction. The nonlinear cells and cell parts act as pumped phase conjugate mirrors (PPCMs) when subjected to multiphoton interactions.

Worse, the signal wave inputs to the PPCMs are the normal weak EM signals of the body itself. Hence the resulting PCRs from the PPCMs are superposing phase conjugates of the body's normal signals. This results in (1) a "diffusive" effect in the body of the PPCM formations, and (2) formation of very weak "EM cancella-

tion" signals throughout the body, specifically targeted to the body's own control signals, including those to and of the immature immune cells in the bone marrow In the bone marrow, "partial-cancellation jamming" (see figure 11) occurs in the nor mal control and development of the immune system cells as they are created. Slowly errors and degradation damage accumulate with time, including over the years. This camulative immune system damage combines with other damage ef fects due to pesticide residues, pollutants, etc. The combined degradation results in long-term cumulative damage to the immune system and its cells. Increasing errors in the immune system's functioning eventually result in appearance of immune system disorders and increasing vulnerability to

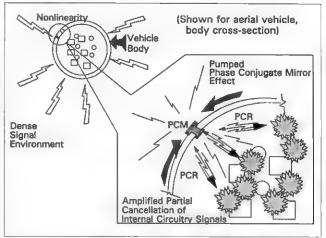


Figure 11. Single versus multiphoton penetration effects. Phase conjugation effects become of sign fecance, generating PCR signals which couple to and backtrack the cells, and tissues, own signals, this penetrating throughout the body with weak partial cancellation jamming

Table 4. Mechanism for the Priore Therapy

- Produced Specific SWZ-Structured Scalar Potential
 - 17 £M frequencies mixed in a rotating plasma
 - Phase conjugates added by the plasma - Formed vacuum engine with hyperspace pump waves

 - Modulated onto a rippling magnetic field which carried it to every ce, and all its parts lyperspatial pumping of cells/parts as PPC M's
- . PPC Mis created amplified anti-engines for disease there
- Anti-engine reversed cells/parts back to normal state
- Cells return to control by cellular control system
- Restored cellular control system to full functioning · Scrubbed out the cumulated precancerous state
- Eliminated shadow disease state
- · Restored the immune system to high functioning
- . No excessive trauma to treated animal

In Part II of this wonderful article, by Mr. Bearden, a few of the topics you can look forward to are: The Gulf War Syndrome, How to Make a Gravitational Wave & Curve Spacetime. Potentials & Gravity and How Priore Made Vacuum Engines.

Me Russians refer to the hidden EM wave structure of the scalar potential - i.e., to the SWZ structuring and vacuum engine templates - as the information content of the field. Western scientists assume this phrase refers to ordinary spectral analysis and communications, ignoring those statements that the normal EM theory does not apply. Also, Devyatkov et al seem in no great hurry to express their true meaning more clearly. See N.D. Devyatkov (Ed.), Applications of Low-Intensity Millimeter-Wave Radiation in Biology and Medicine, IRE Akad. Naul. SSR, Moscow. 1985. [in Russian]. See also N.D. Devyaikov, Yu. V. Gulyaev, et al., Orga nizing Committee Chairmen, Digest of Papers. International Symposium on Millimeter Waves of Non-thermal Intensity in Medicine, to sponsored by Research and Development Association "ISTOK" and Research Institute of U.S.S.R. Ministry of Electronic Industry ("ORION"). Moscow, Oct. 3-6, 1991. Collection of 300

papers. [In Russian]

*However some leading Western scientists—such as Wheeler. Feynman, and Jaynes—strongly advocate replacing the present erroneous concept of the EM force field existing in spacetime with the nation that what exists there instead is an information storage device containing a summary of what we need to predict the behavior EMMONG IN SPACETIME WAS CONTINUED AND A CONTIN

VACUUM ENGINES AND PRIORE'S METHODOLOGY: THE TRUE SCIENCE OF ENERGY-MEDICINE

Part II of II

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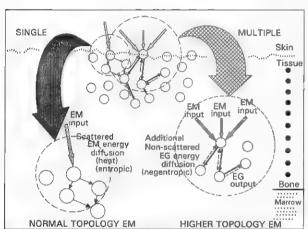


Fig. 12. Single versus multiphoton penetration effects. Phase conjugation effects become of significance, generating PCR signa's which couple to and backtrack the cells' and ussues' own signals, thus penetrating throughout the body with weak partal cancellation jamming.

THE GULF WAR SYNDROME

For very dense EM smog environments such as in the recent Gulf War, both the anomalous EM diffusion effect and the partial cancellation jamming effect on humans are dramatically accelerated. Cellular and immune system damage that would require decades of exposure at very low EM smog levels will cumulate in only a few months. In turn, this accelerated malfunctioning of the cellular control system and the immune system enhances the effects of other biological suppressants already present in the body or encountered during the dense

signal environment exposure period. These augmented suppressants include the degradation due to the individual's prior lifetime EM smog exposure, attack by unfamiliar disease organisms endemic to the areas, exposure to oil fire smokes and pollutants, exposure to increased UV from solar radiation, and exposure to chemical agents and possibly surreptitious biological warfare agents.⁵⁶

Further, in the haste to protect the troops from possible chemical and biological attack, all soldiers were administered a nerve agent called pyridostigmine bromide; in addition, approximately 150,000 were inoculated with anthrax

vaccine, and 8,000 also received experimental botulism toxin shots,30 Normally for medically-administered agents, the relatively minor suppression effects on the immune systems and body are followed by quick recovery, due to a properly functioning immune system and cellular control system. However, all three of these Gulf War preventive medical treatments do create "small cases of sickness" in the normal body.60 In other words, a low level of the disease strain is created in the patient. Further, even after the apparent "initial recovery," there will now be a much longer dormant "apparently healthy" period during which the vacuum engine templates for the disease remain, until they have finally decayed away. In a sustained dense signal environment. this "decay away" period may be dramatically extended or never occur; in fact, the disease may progress from the vacuumengine state to the low level physical state, then into a fully developed syndrome.

So we introduce the concept of the relative level of a disease. First, the disease and/or its vacuum engine templates are in the body. A low level or absence of disease, as we normally think of it, is with respect to the high disease level – the fullup, developed state of the disease. A disease level is "low" because of the ability of the immune system to fight it, overcome it, and reduce it to a "pre-disease" state; and the ability of the cellular control system to eventually rid itself of the disease vacuum engine templates, retaining only antibodies against its re-invasion. When the disease is not physically present according to conventional medical standards, but nonetheless the vacuum templates are present and not yet cleared out, we shall refer to that state as the shadow state of the disease. The cellular control system largely combats this state.61

Stephen Salgaller, "U.S. Role in Gulf War Illness." Letters, Science News, 146(7), Aug. 13, 1994, p. 99.

⁵⁸ Both Senator Riegle's and Senator Rockefeller's May 1994 hearings concluded that all 695,000 troops who served in the Gulf War were also exposed to chemical and biological toxins.

[&]quot;Note that at least one of these three treatments was still quite experimental. Consequently there exists less confidence in stating that its normal side effects are minimal and tolerable.

⁴ Apparently by being able to phase conjugate with weak amplification, so that it forms anti-engines that usually are stronger than the disease's vacuum engines, gradually reversing the shadow state to normal.

If the immune system and cellular control system are impaired, a shadow state of the disease can gradually progress to a "low level" of disease, then to a higher level, and become serious or even life threatening. This is true when conventionally the disease is physically absent but its shadow state is still present and cannot be disposed of by the cellular control system, as clearly shown by Kaznacheyev's experiments. 62.69

We point out, but do not pursue, that the cellular control system also deals with the shadow states of diseases. In the normal state of "free from disease," the cellular control system successfully and continually deals with incident diseases, overcoming them at the shadow state level. Its process for continual disposal of the shadow state residues is hypothesized to be a version of slightly amplified phase conjugation of the vacuum engine's shadow state level.

In the model we are advancing, the disease entry and development occur by successively (1) creating its shadow state and successfully maintaining it in spite of the cellular control system's phase conjugation efforts, (2) breaching the threshold of physical changes, so that at least physical indicators of the struggle by the now-involved immune system appear, (3) progressing until conventional medicine recognizes "low level disease or infection."

(4) increasing until conventionally-recognized "developed disease or infection," (5) increasing until the disease is serious and even life-threatening, and (6) increasing until the patient can no longer sustain life and dies. We note that the best preventative medicine would and should be practiced at the shadow infection level. The Priore therapeutical approach is capable of doing that.⁴⁴

In the "normal" — if such an adjective can be used! — sustained "weak EM smog" exposure, the shadow state may last for several years or even several decades, prior to sufficiently accumulated degradation of the cellular control system and the immune system to allow the physical emergence of the disease. For much denser EM smog, such as existed in the Gulf War, the shadow incubation process is highly shortened, as is the time to progress from one stage to another higher stage of the disease or disorder condition.

In other words, in a dense but weak EM smog environment, the recovery from "minor diseases" actually administered as part of the initial vaccination and preventive medicine will be substantially altered because of the accelerated damage to the immune system and cellular control system. The control/immune degradation may be fast enough that the disease starts increasing from the shadow state toward higher levels, instead of being reduced and elimi-

nated by the control/immune systems. 65,66

Consequently, the Gulf War participants were thrust into a unique new situation: The second (shadow state) phase of decay of the "minor diseases" created in the bodies receiving the three preventive medications was interfered with by the EM fog. Because of individual variation in past cumulative damage experience, the individual control/immune systems varied from soldier to soldier. The smog environment varied in density and intensity from place to place, and from time to time. Hence the degree of interference varied from soldier to soldier because of (1) variation of past control/ immune degradation, (2) variation of the EM smog exposure, and (3) variation of exposure to other suppressants. A bellshaped distribution curve of the extent of the net interference to net control/immune functionality" would result, when the soldiers are taken as a group. That is, some of the participants just had a somewhat longer 2nd phase recovery period; some an extended 2nd phase recovery period; some a sustained, gradual rise in the 2nd phase, toward physical disease but not yet developing the Gulf War Syndrome. Some had a sustained, quicker rise toward actual physical disease instead of a decay, and have had sufficient time to develop the physical disease.

When the additional individual expo-

13 The discerning reader will note that we are presenting the gist of a new theory of cellular disease.

"We also point out the electromagnetic biological warfare capability in this area, long since developed by the Russians and under total control of the KGB. The U.S. Embassy radiation, including the health changes and the death of three U.S. Ambassadors, was just to stimulate the U.S. intelligence and scientific communities at the highest levels. By the U.S. electromagnetic response at the Embassy itself, the Soviets could then know for certain whether or not the U.S. was aware of this EM biowar capability, and whether or not it had secretly developed defenses. Our actions assured them we had no such capabilities and no defenses — and were totally unaware of the true nature of the Embassy radiation.

"Note that the multiplicity of the assault on the control/immune systems augments the resistance and recovery difficulty. E.g., each B. cell lymphocyte can attack only a single antigen—alten property of the surface of an invader. Three are about one billion B-cells in the human body, which between them are specific for about a million antigens. As can be seen, the immune system is continually having to develop B-cells with new specificities due to the continual meeting of new strains of antigens. Cumulated damage to this system affects both the body's resistance to diseases it has already acquired specific B-cells for, and its resistance to new strains for which it must make B-cells for new antigens. There is a sort of threshold, at any given time, beyond which the B-cell responses cannot keep pace, and start being overwhelmed. There is also an error tolerance level, when the errors due to deterioration surpass this level the immune system will often begin attacking the body's own itssues in error. This results in disorders such as artifiritis and cartilage and joint deterioration. With sufficient errors, previous immunity abilities also are degraded, so that more ordinary diseases become serious threats.

"The administering of three "lightly suppressive" treatments closely occurring with the soldier's entry into the Combat Zone thus posed a significantly greater problem than normal to his or her control/immune systems' operations, because the control/immune systems were suddenly degraded and hampered by the suppressive effects of the dense EM signals environment. In other words, the control/immune systems were moderately attacked by the three medical treatments (three enemy light cavalry divisions), and at the same time the entire control/immune system complex was subjected to substantial interference and suspenses on (the normal fivendly) troop divisions were similaneously placed under fereice and sustained attack throughout the zone. A general whose divisions are already committed in furious combat and under heavy bombardment, as are all his command posts and communications systems, has great afficulty freeing up, reconfiguring, and recommitting some of his committed troops to properly combat three other enemy forces that suddenly have appeared over the hor worst from other directions."

We may also define this as a disease progression ratio. This ratio should assume a distribution curve. For first-order simplicity, we are assuming a

normal distribution.

⁴² Kaznacheyev, several references, ibid. That is, suppose we have the shadow disease possess only a strength such that the normal cellular control system and immune system could overcome it. If the cellular control system is weakened, the disease progresses across the physical barrier. If the immune system is still strong, it can handle the encroaching disease, but will give physical indicators of its struggle (increased white corpuscles, etc.) If the immune system is also degraded, the disease will progress to low level physical disease, higher level, etc. On the other hand, if the cellular control system is normal but the shadow state of the disease is amplified, the phase conjugation defenses of the cellular control system will be breached and the disease will impel itself into low-level disease, then high level, and then kill the cells, in spite of a normal immune system combatting the breach of the cellular control system. This latter is what Kaznacheyev's experiments showed. It is also what the decades of Soviet weak microwave radiation of the U.S. Embassy in Moscow showed.

sures are factored in, there should have been essentially three broad groups: (1) relatively minor damage sustained, where any overt effects will only begin to appear many years hence if at all, (2) more damage sustained, where overt effects will begin to appear within the next few years, and (3) heavier damage sustained, where overt effects begin to appear either while still in the Gulf Region or within some months or so after returning.

Hence many of the Group 3 veterans of the Gulf war developed anomalous infections and immune system disorders shortly upon their return from such damage-accelerating exposure, resulting in the mysterious "Gulf War Syndrome." Conventional medical science will recognize — and has recognized — the overt phase 3 physical disease syndrome, but its cause and effective treatment remain and will remain medical mysteries. Conventional medical science will entirely fail to recognize Groups 1 and 2 cases, and will label them as due to aging, mental stress, or ordinary rise of diseases.

The syndrome has involved the "anomalous EM smog diffusion" process, as previously explained. It may - and in many cases it will - exhibit certain "signature" differences from normal diseases. The genetics of the victim are affected, and so are altered by induced transcriptioned to carry at least a portion of the "syndrome template." Semen, ova, saliva, and blood will particularly be so affected. A wife may complain that her husband's body fluids are now irritating to her skin, even producing "burning" sensations. Children conceived and born may be borne with the syndrome, or with one or more aspects of it.60 The syndrome template can be transmitted by exchange of body fluids, so wives may also contract the syndrome and develop the disease from their husbands.70

CONVENTIONAL EM BIOEFFECTS KNOWLEDGE IS INSUFFICIENT

Present "EM bioeffects" scientific models contain absolutely no modeling of partially jamming the body's own special EM control system by turning its EM signals partially into G-signals, thereby partially nullifying them. It also contains no modeling of the anomalous EM diffusion process." Thus the conventional medical approaches also do not contain any proper means of accounting the mechanisms for, and results of, long-term exposure to electronic smog and other combined agents and effects. Conventional scientists also have no knowledge of the major degradation mechanisms involved. The conventional medical models specifically are useless when confronted with something such as the Gulf War Syndrome or the decades of Russian microwave radiation of the U.S. Embassy personnel in Moscow, Capable scientists turn to their conventional models for answers, and the models fail them. Therefore present medical science is baffled when faced with such diseases and syndromes.72 (See figure 13 on next page)

How to Make a Gravitational Wave and Curve Spacetime

We return now to the fundamentals of Type 2 engineering.

If one superposes an ordinary EM wave with its true phase conjugate replica wave, where the two waves are of equal strength, the EM forcefield aspects of the combined wavepair (standing wave) vanish, while the energy-density aspects remain. At every point the E-fields and the B-fields sum to vector zero forcefield resultants. The standing wave that results will not cause EM movement of charged particles.

However, the energy densities of the two locked (and now "hidden") EM waves remain and add. By standard GR, this "trapped EM density standing wave" must constitute a standing gravitational wave and a standing wave in the local curvature of spacetime!

It follows that, by assembling a harmonic set of such wavepairs, a la Stoney and Whittaker, one can form a region of spacetime such that the energy density is deterministically altered and controlled, and to engineering levels.

Engineering general relativity suddenly became a lot easier! Ironically, present physics only considers primarily the very weak ST curvature that can be obtained by the extremely weak gravitational "attraction of mass" G-force. For electrons, e.g., the G-force is only on the order of 10-42 times as strong as the electric force. Consequently orthodox GR simply "cannot pack enough trapped Gfield energy into the local space" in the laboratory to get measurable effects. Only in the vicinity of a very large mass, such as the sun or a star or a black hole, does the weak G-force reach sufficient strength to yield directly observable. strong effects. Yet by using EM vacuum engines and the SWZ approach, one can obtain readily-measurable GR effects right on the laboratory bench.

he conventional medical models

specifically are

useless

when confronted

with something

such as

the Gulf War Syndrome

or the decades of

Russian

microwave radiation

of the U.S.

^{*}Note that the transcription component may continue to develop in the same "post disease" manner as does the shadow disease of the overall Gulf War Syndrome The returnee continues to experience EM smog and other controllimmune suppressants, though at a lesser level than experienced in the Gulf War environment.

[&]quot;Such aspects are highly controversial. A few affected families are reporting such symptoms and aspects, but officially "there is no evidence" for them. However, with the initial appearance of the syndrome, officially veterans who complained of this illness were briefed by these same medical "au thorities" that their physical symptoms were stress related, and that the cause was all in their mind!

No a fashion similar to Priore's animal experiments that demonstrated the transfer of curative templates by a single drop of blood. Kaznacheyev showed that disease templates could also be transferred.

[&]quot;In fact, EM bioeffects research for decades has used, and continues to use, sheer energy deposition (scattering of EM energy by the tissues heat by another name!) as measure of the exposure level. They have not applied nonlinear phase conjugate self-targeting effects at all.

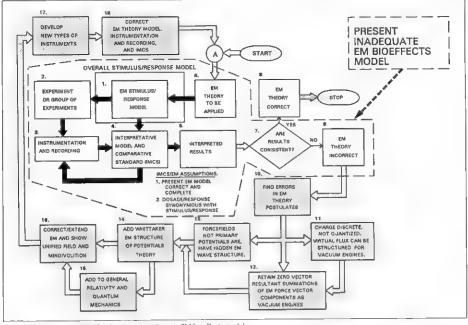


Fig. 13. Necessary corrections for the present inadequate EM bioeffects model.

POTENTIALS AND GRAVITY

Obviously one can simply add harmonics of such EM "locked in" wavepairs, to produce a standing "constant value potential" pattern of a fixed excess energy density of vacuum or a fixed decrease in the energy density of vacuum. This harmonic series of bidirectional EM wave pairs — the sum set of wavepairs — is precisely what Stoney and Whittaker showed makes an ordinary EM scalar potential. In other words, they showed the actual

energy-trapping mechanism, and dramatically altered the view of a scalar potential as being simply an "electrostatic" entity and a scalar field. Instead, it is a hidden-variable energy flow process. 73-74.75

Its external "scalar field" aspect is just its "local energy density" aspect, not its fundamental nature. 4

As is well-known in GR, all potentials are gravitational because they contain trapped energy. Any trapped energy is gravitational, a priori, according to GR. Ziolkowski independently rediscovered

the SW decomposition in the 1980s and extended it to also add the product set. Since multiplication of waves is modulation, in my opinion Ziolkowski actually wrote the basis for hyperspatial (or subspatial, if one models physics in only 4-dimensions) communication at superluminal velocity, essentially instantaneously anywhere in the universe. (See figure 14 on opposite page)

"Paired assembly of an EM wave and its true PCR" was and is the way to turn EM energy directly into gravitational en-

⁷Just as it is also essentially baffled by many conventional dread diseases such as cancer, leukemia, AIDS, arteriosclerosis, etc. – which indicates that the conventional "models" for those diseases are also seriously deficient

The present preoccupation of physicists with the scalar potential is simply to provide an algorithm for calculating the local energy density—in excess joules per collecting point coulomb of charge—and erroneously call that the definition of the potential. The magnitude of the energy collection density of the potential at a point is not what the potential is, and such is not its definition. Defining how much water can be poured out of a standard bucket, when it is dipped into a flowing river and filled with water, does not define the river?

^{*}From the particle view, the potential is an ordering in a virtual particle flux of the vacuum. From the wave view, the potential is comprised of an ordered, harmonic series of SWZ bidirectional EM waves, where each wave reaches to the ends of the universe before having a zero energy density. It follows that the energy in each hidden sine wave is infinite, just as it is for any over theoretical EM sine wave. So any potential—even that of a flashlight battery—already involves an infinite amount of flowing hidden EM energy, being exchanged by the source and the entire universe, flowing in both directions along any realizal prom the source of the potential. The scalar potential is a flowing, continual exchange of energy between each and every point in the universe and the local source of the potential.

Both the wave and particle forms of the potential exist simultaneously. The particle nature exists in Minkowski 4-space. The "hidden SWZ waves" exist in a hyper-4-space whose time dimension is the same as that of Minkowski 4-space. The scalar EM potential actually exists as a 7-dimensional entity. The internal hidden EM flow is not confined to the speed of light in space, because it does not flow "through" 3-space, instead, it flows

The ground it whittaker, 1904, ibid shows us that all of classical electromagnetics can be made by the interference of two scalar fields, which is just a special kind of hyperspatial multiwave interferometry.

ergy." This is the unification of EM and GR that eluded Einstein all the latter part of his life, and that has continued to elude scientists today. This is the way to "trap" EM energy locally, even though the EM wave energy is flowing at the speed of light or greater. This is the way to change EM energy into gravitational energy.7 Further, it is engineerable and testable. Remember, physics requires that energy be conserved; however, it can certainly change its form. GR already says that it is the trapped energy that is gravitational, not mass per se, and regardless of what kind of energy is trapped. Ultimately Einstein's formula $E = mc^2$ is actually a statement of the trapped EM energy in a mass. However, heretofore no one had the slightest notion as to the actual trapping mechanism. The SWZ work actually shows the trapping mechanism itself and allows the engineering of electrogravitation.

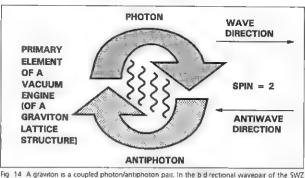
HOW DID THE REVOLUTIONARY STONEY/WHITTAKER WORK GO UNNOTICED?

Apparently, neither Stoney nor Whittaker realized that their work was pure electrogravitation. When the referenced papers by Stoney and Whittaker were published, special relativity, general relativity, and quantum mechanics had not even been born yet! Indeed, there still was not a wide adoption of Heaviside's vector interpretation of Maxwell's fading quaternion theory. Even classical EM was still in its infancy and just getting off to a

In the 1980s Ziolkowski realized that the internal biwaves of a potential could be engineered, but remained primarily focused upon his important work with electromagnetic missiles and focus waves (slugs of EM energy which stay together as they travel, and do not spread out.) Ziolkowski is one of the pioneers in that field.

HOW PRIORE MADE VACUUM ENGINES

This "vacuum engine methodology" was and is what Priore's intuition led him to! For the electromagnetic treatment of laboratory animals, his EM therapy device first inputted some 17 or so frequencies into a rotating plasma.79,80 We know



internal structure of the scalar potential, photons in the wave continually couple and uncouple as the wave and antiwave pass through each other.

today that such plasmas phase conjugate the wave inputs, but that was not known when Priore first did it.

Obviously Priore himself did not understand the actual mechanism, but his brilliant intuition led him to discover how to do it! For many years no one knew how aspirin worked, yet that did not prevent it from being used widely and effectively.

In other words, Priore used the plasma to unwittingly add PCRs to each of his waves and form 17 magic SWZ "wavepairs." The entire SWZ wavepair assembly thus made an artificial potential, having a "vacuum engine" pumping substructure of hidden bidirectional EM waves. Adjustment of selected frequencies away from their harmonic positions adds multiplications and beat frequency modulations, creating specific templates and specific vacuum engines. These SWZ waves are hyperspatial; hence they are in the domain of the deep mind's cellular control system. When an abnormal body cell is pumped by these hyperspatial waves, the cell's own hyperspatial vacuum-engine "signal input complex" triggers a specific dedifferentiation antiengine for that specific abnormal state. By Wheeler's principle, if spacetime curvature is present in the material cell, its energy and template are applied to the cell and act upon it. With vigorous pumping, the anti-engine is also amplified and so the cellular response is more rapid. In

other words, the amplified anti-engine fairly quickly overpowers the disease engine and reverses the abnormal cell and all its contents back to their previous normal states. (See figure 15 on the following

Priore's new signal complex came out of the plasma mixing (phase conjugating) tube with SWZ structures of wavepairs, where each pair was composed of two bidirectional (opposing) EM waves. Priore then modulated this output upon a very strong, rippling magnetic field as a carrier, and radiated the body of the patient with that resultant field and its transported hyperspatial SWZ anti-engine components.

Nuclear magnetic resonance guarantees that such a magnetic field with all its modulations will be delivered entirely through the body, penetrating the flesh and bones and even the atomic nuclei themselves. It will certainly penetrate the bone marrow where all the blood cells (which includes most of the immune system's cells) are born! It will penetrate everywhere else also. So all the cells of the immune system will be exposed to the AC magnetic carrier and its impressed hyperspatial biwaves and their modulations.

The body's cells and cell-parts are highly nonlinear, and so they are also demodulators. They strip off the SWZ modulations. This puts the amplified vacuum anti-engines directly into and

⁷⁸By Whittaker 1904, we can always interfere two such potential fields and obtain an EM field, even at a distance. Thus we can also readily turn the gravitational (trapped EM) energy back to EM field (untrapped EM) energy.

David M Rorvik, "Do the French Have a Cure for Cancer?" Esquire, July 1975, p. 110-11, 142-149 gives an overview of the Priore Affair and some

details of the electromagnetics of the machine

*Note the immediate connection to the Russian energetics model, which is directly fashioned after the nature and nonlinear EM functioning of plasmas. Priore was directly applying Soviet energetics, although neither he nor any other Western scientist could have known that

PI have previously pointed out that, in a coupled wave/antiwave pair, the photons in the wave and the antiphotons in the superposed phase conjugate replicate wave also pair into photon/antiphoton pairs, which have spin 2 helicity and hence are gravitons. This follows merely from a strong application of the distortion correction theorem. However, it is the fundamental union of EM and G into a single engineerable theory. See Bearden, Gravitobiology, 1991, p. 1-9.

onto the cells, including all the cells of the immune system, and including each and every part of each cell. Small wonder then that the Priore methodology could restore suppressed immune systems! Time-reversing the damaged immune cells and their damaged internal components back to a previous healthy state was one magnificent result. The radiation also delivers the modulations directly into the master potential (the body's quantum potential) that contains its mind, its long-term memories, and its master control system for all cells. Thus not only are the diseased cells and the immune cells affected, but also the master cellular control system for all body cells is directly affected. 11

In a related work, Becker (See figure 16 on the following page) and his colleagues stimulated bone healing in difficult fractures by use of tiny DC currents. They have shown that picoamperes of steady DC current trickled across the fracture site induces bone healing. Becker showed that, surprisingly, red blood cells are dedifferentiated - shucking their hemoglobin and growing a nucleus in the process. These cells redifferentiate into the kind of cells that make cartilage. Then those cells redifferentiate anew, into the kind of cells that make bone, and heal the fracture with new bone deposit. Becker also proposed a complete, operational DC control system, staying within the limitations of conventional EM theory. 82,83,84



15-A. Priore demonstrates a point to Mr Chaban-Delmas, Mayor of Bordeaux and a friend and mentor



gist, worked directly with Priore Dr. Pautrizel is Professor Emeritus, University of Bordeaux, and holder of the first chair in immunology in France

Dr. Robert Courrier (not shown), head of the Brology Section of the French Academy of Science as we lias its Secretaire Perpetuel at the time, was also a noted co-league. He personally presented the astounding results of the Priore Team's experiments to the Academy.

Fig. 15. Priore was supported by notable French political leaders and eminent French scientists were his close scientific colleagues.

A proposed explanation of the fundamental vacuum-engine mechanism for the Priore and Becker effects has previously been given in some detail by Bearden. (See figure 17 on next page)

"We refer to an expanded version of Popp's cellular control system: E.g., see Fritz Albert Popp, "Photon Storage in Biological Systems," in Fritz Albert Popp et al., eds., Electromagnetic Bio-Information: Proceedings of the Symposium, Marburg, Federal Republic of Germany, Sep. 5, 1977; Urban & Schwarzenberg, Baltimore, 1979, p. 123-149. Popp reports the thoretical and correctionation from cells can be seen as a sort of "waste" from a virtual electromagnetic field with a high coherence. This field has a tendency to become stationary over the whole organism. In addition, it includes the storage of "wirtual" coherent photons. Comment: Our substitution of the SWZ hidden wave approach to replace Popp's QM particle approach greatly facilitates understanding and specifying the control system, and materially eases direct engineering of it.
"E.g., see R.O. Becker, "The direct current field. A primitive control and communication system related to growth processes." Proceedings of the. XVI

*Eg., see R.O. Becker, "The direct current field. A primitive control and communication system related to growin processes. Proceedings of me. AVI International. Congress of Zoology, Washington, D. C., Vol. 3, 1963, p. 179, "The control system governing bone growth in response to mechanical stress." J. Ark. Med. Soc., Vol. 62, 1966, p. 404, R.O. Becker and D.G. Murray, "A method for producing cellular dedifferentiation by means of very small electrical currents." Trans. N.Y. Acad. Sci., Vol. 29, 1957, p. 606. See particularly Robert O. Becker, "The significance of bioelectric potentials." Bioelectrochemistry and Bioenergetics, Vol. 1, 1974, p. 187-199. Becker proposes that a complete, operational system exists in living organ isms, and controls such basic functions as growth, healing, and biological cycles. The system is described in anatomical detail. It functions as a data transmission system in an analog fashion using varying levels of direct current as its signal. The system interlocks physically with the nervous system and it postulated to be its precursor. There are two electrochemical limbs of great significance in the operation of the system. One is between the DC system and the nervous system, the other is between the DC system and all body cells. The concept explains all of the diverse effects reported for the biological effects of applied electrical currents including electrical anesthesia, electrical growth control, and electroacupuncture. It also furnishes a testable hypothesis for predicting other effects of clinical significance

*We comment that the SWZ approach allows control and conditioning—both externally and internally—of both limbs of Becker's proposed DC control system.

*See also C. W. Hsue, "A DC Voltage is Equivalent to Two Traveling Waves on a Lossless, Nonuniform Transmission Line," IEEE Microwave and

See also C. W. Histe, A.D.C. Voilage is Equivalent. O two Traveling waves that Dissists, two tanglors in transmission line powering a resistive load, mathematically decomposes into bidirectional EM traveling waves. The bone-healing setup used by Becker et also precisely of this configuration. The fracture corresponds to the resistive load and the two electrodes on each side correspond to the transmission lines. Hence Becker's team actually employed a form of the Stoney/Whittaker/Ziolkowski harmonic biwave decomposition of the scalar potential, to accomplish hyperspartal pumping and formation of anti-engines of vacuum energy. So this is another application of the same basic "cell reversing" methodology, as also utilized more extensively by Priore. Becker's brilliant work of course was and is independent and unique, and he was nominated for a Nobel Prize because of his absolutely fundamental work in showing electromagnetic differentiation and dedifferentiation of cells. That he has not been awarded the prize is recretified and, in my opinion, an injustice

48T E Bearden, "Mechanism for Long Term Cumulative Biological Effects of EM Radiation," presented to the 70th Annual Meeting of the Alabama Academy of Science, University of Alabama at Huntsville, March 25, 1993 A digest of this presentation is published by the Tesla Book Company, PO Box 121873, Chula Vista, CA 91912 as T E Bearden, Cancer and the Unresolved Health Issues in the Biological Effects of EM Fields and

Radiation, 1993 and includes both text and hard copies of viewgraphs

HOW THE PRIORE VACUUM ENGINE REVERSED CELLS TO A PREVIOUS STATE

Taking a GR view, any mass already has its own vacuum engine for its exact form and internal structure and dynamics, in the finest detail. That particularly follows Wheeler's principle; if the mass is there, the appropriate spacetime curvature and dynamic energy structuring is there. If the mass has internal structuring, so does the spacetime curvature: it becomes nested curvatures with a precisely correlated template. In short, any mass - living or not - is imbedded in a precise vacuum engine. Any and every change adds a specific delta to this vacuum engine component. Just as a tree has rings for its past years and an onion has layers, the vacuum engine of an object has an exact template for that object's entire past, as do the mind and its components also. 86

So when a normal living cellular mass changes to a diseased state, a priori it has added an additional delta vacuum engine (representing the change that resulted in the disease) to its original vacuum engine (which represents the original healthy state of the cell). The cell and all its parts are highly nonlinear and act as phase conjugate mirrors, including to the higher topology (hyperspatiality) of the vacuum engine. Any living system we isolate and study is at least 7-dimensional.

Putting all this together, we now can understand the marvelous nature of what Priore did. By exposing the body, treated part, cells, and cell parts to Priore's modulated rippling magnetic field, the "hidden pump waves" carried by that magnetic field are applied to each and every cell and to all its parts, in the exposed area. In the exposed area, each and every cell and its parts become powerfully pumped phase conjugate mirrors for its hyperspatial vacuum engine complex.

Extending the language of nonlinear optics, the particular net vacuum engine of the diseased cell or part constitutes a "standing input" hyperspatial signal wave complex, already input to the hyperspatially pumped phase conjugate mirror cell or cell part. When pumped by "hidden" pump waves, each and every one of those PC mirrors will now originate an amplified phase conjugate replica of the signal wave complex. Each one will produce a highly amplified, time reversed replica of

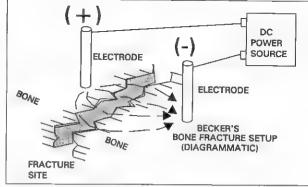


Fig. 16. Becker's application of tiny DC currents to heal difficult bone fractures.

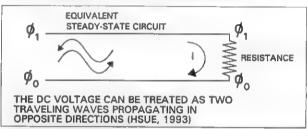


Fig. 17. Hsue's biwave decomposition of DC voltage (as in Becker's application of tiny DC currents to heal difficult bone fractures).

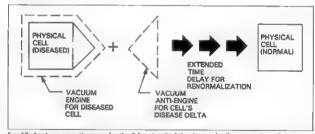


Fig. 18. Applying an anti-engine for the "deviation" of the diseased cell reverses the cell to normal after a time delay.

its specific standing vacuum engine. This includes amplified time reversed replicas of both the "healthy" component of each standing vacuum engine and the "disease delta" component. (See figures 18 above and 19 on following page)

In other words, every pumped diseased cell and cell part — including the genes and chromosomes will produce a very powerful, highly amplified, "reverse vacuum engine" (an anti-engme) which is fantastically specific and precisely time reverses the cell and its parts, including the genes and chromosomes as well, back to their previous normal states.

*If one alters the internal structure (rings) of a tree, one changes the tree. If one alters the internal structures and dynamic functioning of matter, one changes the matter accordingly. If one alters the internal structures and dynamics of the mind, one changes the mind, its contents, and its function ing accordingly, as well as the subsequent behavior exhibited by the altered individual.

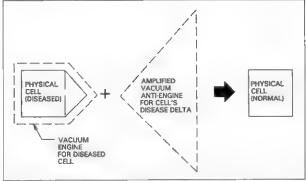


Fig. 19. Applying an amplified anti-engine for the "deviation" of the diseased cell reduces the time delay required to reverse it back, to normal.

REIUVENATION

Any normal cell that is exposed to hyperspatial (Priore-type) pumping just reverts to a slightly younger normal state. Note that this allows rejuvenation. **Priore's earliest experiments that so riveted his attention and set him on the path of discovery, were in fact the abnormal prolongation of the life of fruits! For each class of disease, Priore just had to fiddle with the frequencies until he had the right set of pump waves for the specific "disease delta vacuum engine." This he did by trial and error. So when it is "Priore-pumped," a cancer cell reverses back to a normal cell, as does a precancerous cell as well.

The revolutionary Priore therapy is startling but simple. The diseased cell is analogous to an automobile that has been driven slowly off the road into the rough. Priore's methodology shifts the car into reverse gear, guns the engine, and quickly and precisely backs the car back onto the roadway. It is one of those profoundly beautiful embodiments analogous to Faraday's unipolar generator; it strikes directly to the heart of the fundamental principle. A cell develops damage and disease over a period of time. Simply time-reverse it quickly back to its origi-

AIDS COULD BE QUICKLY CURED THE SAME WAY

Given Priore-pumping, an AIDS-infected cell would revert back to a normal cell, including all its genetics, and including for all of the hundreds of "strains" of AIDS that exist in an advanced AIDS patient. With this ap- proach one could completely reverse and eliminate AIDS whenever a positive reading occurs in the HIV virus test, and prior to the appearance of the actual physical sym-ptoms! If the person just has the antibodies and not the disease, the treatment

will still do him absolutely no harm. (It will actually make his cells a "little bit younger and more vigorous," and help his immune system.) If he has both the AIDS antibodies and the infection as well, he will be completely cured and his immune system will be restored to complete vitality.

Most Diseases Could be Cured by the New Therapeutic Modality

Any infectious disease known or unknown can be cured by the same means. The marvelous thing is that one need not know the specific technical pattern for the delta vacuum engine for a specific disease! One just has to correctly adjust the hidden SWZ pumping frequencies.

ARTERIOSCLEROSIS

In arteriosclerosis, it has been found that the greatest part of the damage is due to the presence of some rather ordinary viruses, and abnormal cell growth by the body's own cells as a result of triggering by previous viral infection. Cellular reversal (dedifferentiation) gets it all; the viruses and the abnormal cells. Every-

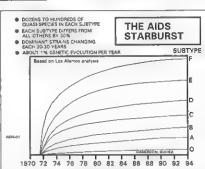


Fig. 20. AIDS is continually changing since the HIV virus is a retrovirus and unstab.

thing reverts to normal, and the body's restored processes quickly "police up" the extra cell growth, using its natural control processes which are now restored to full functioning. This is how the Priore may able to so dramatically cure the "clogged arteries" of laboratory animals.

The Priore approach (pumping of the

*One should not be surprised that a time-reversal operation upon an entire body leads to reversal of physical aging in that body! But we point out that the time reversal we speak of is not at all the "time travel to the past" so beloved by generations of science fiction writers. For that, one would have to reverse each and every part of the universe estimultaneously, except the observer, back to exact former state, in perfect universal coordination. One would have to pump the entire universe, except for the observer! The observer would then remain as is with no change, while his entire world "went back in time" to a past state. The pumping of the universe would have to stop instantaneously (decay of the false vacuum?), and the universal anti-engine would have to stop operation and decay instantaneously (another big bang, perhaps?). We are not referring to anything such as that! We are referring to the reversal of a single little part of the universe, back to its previous state, which is practical and can be done. Universal time reversal and hence time travel for the observer. Is not practical, at least within our present knowledge and within the time reversal madel we are applying. We should point out, however, that time reversal is a legitimate part of physics, and is not science fiction. E.g., for an overview, see Robert G. Sachs, The Physics of Time Reversal, University of Chicago Press, Chicago, Illinois, 1987.

nal healthy state.

diseased cell's self-contained vacuum engine to create a very powerful vacuum anti-engine and reverse diseased cells back to normal) is the most powerful therapy for cellular disease ever conceived of. If the cells have ever been normal, they can be reverted to normal.50 One can also probably regrow lost limbs, etc. but that takes too long to explain here! The methodology should also be able to completely reverse disorders such as Alzheimer's disease, and very probably muscular dystrophy as well. It should even be possible to reverse the physical effects of aging!

MUCH MORE THAN THIS INTRODUCTION HAS BEEN THEORIZED

This is the gist of the mechanism for the Priore therapy's startling success, although it has required some 10 years of very hard work to decipher the mechanics of the process. Along the way, I have also personally discovered and added a great deal more (for example, the quanturn potential aspect of a living system and any enclave of living systems, the mechanism to generate a quantum potential, the precise mechanism for Sheldrake's morphogenetic field, the mechanism for directed evolution, the unusual electromagnetic nature of mind and thought. the mechanism for engineering mind and thought, engineering the entire species, and engineering the entire living biosphere), but this much should suffice for now for introductory purposes.

A technical book has been laboriously begun, and hopefully will be finished and published in about a year. Two 2-hour videos are also tentatively being planned. A four-hour technical briefing has already

been prepared and presented.

REACTIONS TO THIS VACILIM ENGINE EXPLANATION

In response to numerous queries as to the reactions to this explanation of the Priore mechanism: Reactions tend to be rather good when (1) the technical person is open minded, in other words, a friendly skeptic, (2) the technical person endures a grueling 2-hour or 4-hour detailed slide presentation I prepared, and (3) sufficient follow-up dialogue is accomplished to answer residual questions. Otherwise, the "mental jump" required of the participant is just too great. Also, perhaps 60-70% of the conventional scientists are absolutely against anything that smacks of "revolutionary." From about half of this contingent the approach may generate disbelief and even overt emotional hostility, just as Priore himself and his associates encountered.90

However, some of the sharpest young graduate students readily make the transition, if they interact with me for a long enough period and enough times to understand the physics of the approach. It did not take me 10 years to decipher an easy thing! The causative mechanism for Priore's accomplishment is terribly involved and very, very deep. It is slightly beyond the present scientific vanguard, although the bits and pieces necessary to decipher the Priore mechanism are now in the literature. But putting them together has been a bone-crushing, terrible task. Priore was truly a century ahead of the science of his time!

Nonetheless, there is much hope, because the material is slowly taking root in a few sharp young graduate minds. For example, one of the major Eastern Universities would be astonished to know that their sharpest, brightest young PhD candidate - one they already assume will

win a Nobel Prize in the future - is a full convert, and thoroughly understands cellular reversal by hidden-variable SWZ pumping, a la Priore. But at my strong urging, he is keeping it a secret until he graduates, and then he will gradually begin to filter in some of these ideas. That way he does not initiate his destruction by his peers because of too much energetic advocacy too quickly.

THE PRIORE APPROACH IS URGENILY NEEDED

We simply must get this Priore therapeutic approach developed, for it is extremely important to all humanity. Our very survival may depend upon it.

Presently all our antibiotics are beginning to fail; the disease organisms are becoming quite resistant. Already our hospitals have strains of diseases that few if any antibiotics will touch. Hundreds of thousands of hospital patients each year are already experiencing complications due to contracting an antibioticresistant infection. Probably about 20,000 a year are dying as a result, and the death rate is increasing. In the future, one will have to seriously weigh whether it is better for one's chance of survival to enter the hospital and be treated, or to take one's chances with the disease and not enter the hospital.

With the rising failure of the antibiotics, (See figure 21 on page 60) and the rising possession of tailored biological weapons by hostile nations and international terrorists,91 (See figure 22 on page 60) we shall shortly have no defense against an onslaught of pandemics unheard of since the Black Death swept medieval Europe of one third the population. Literally the age of pestilence and dread diseases of Revelations is upon us. 92

eThey can also be "reversed to normal" even if they have never before been normal. The master cellular control system contains a master blueprint for the normal cell and can make an appropriate template for the specific disease delta vacuum engine, or one can be introduced (e.g., by injection of a drop of blood from a person previously cured of that specific disease, this was in fact demonstrated by the Priore group) Pumping will then reverse the patient back to normal, as was actually shown by the Priore group. Indeed, the body's own system may be able to use the correct unti-

engine template from the drop of blood and care itself without pumping, as was also shown by the Priore group, if the body itself is reasonably healthy.
"Simply "dropping it on someone" by mail, for example—as I did to Elizabeth Taylor's foundation and Ross Peror's office— is just too much for a casual reading to grasp. A polite acknowledgment was received from the Taylor foundation, and no acknowledgment at all was received from the Perot camp 🗫 As an example, Priore completed the course work for his PhD and submitted his thesis, documenting his formidable and revolutionary work. Because

of the ferocity of the oncology establishment toward the Priore team and its accomplishments, the university rejected his thesis. During the two decades or so since then, untold millions have died worldwide from diseases the team cured. These deaths could have been prevented had the Priore work been vigorously pursued and developed by the scientific community

21 It is not a question of if the international terrorists will use biological weapons against the U.S. civilian populace, but only of when Astoundingly, often st may even be possible for the terrorists to simply buy their biological warfare agents from us! In a lawsuit by Desert Storm Syndrome victims against certain U.S. companies, one of the companies is alleged to have sold germs—such as anthrax, tularemia, and botulism—to Iraq by mall. These are highly effective biological warfare agents. Eg. a few spray tanks spraying such agents over a large U.S. city complex at night, using an easily obtained light plane to get in a few hours "flying practice," would result in tens or even hundreds of thousands of deaths within days. According to U.S. government-released data, inhaling a few anthrax spores into the lungs has a very high probability of killing the inhaler, unless treatment is started immediately. Even with immediate treatment, many deaths will still occur. A substantial number of nations are now obtaining and producing lethal biological warfare agents – which have been called the "poor man's atomic bomb." Some of the international terrorist groups are also acquiring the biological warfare agents.

"A good exposition of the rapidly increasing resistant-disease problem is given by Garrett, Laurie, The Coming Plague: Newly Emerging Diseases in

World out of Balance, Farrar, Straus and Giroux, New York, 1994.

In addition, the costs of the present allopathic medicine are rising rapidly and threatening to either bankrupt the nation, or become so expensive that only the wealthy can afford adequate medical care. Even the wealthy could be trapped in the future and denied adequate medical treatment. The Clinton Medicare bill, if approved, would make it a felony to pay a doctor out of one's own pocket, after denial of such treatment by the administrative bureaucracy. It also makes it a felony for the doctor to give the treatment to the disapproved paying person. Thus both the patient and the doctor could be sent to prison, wealthy or not.93

CELL CONJUGATION BY VACUUM ANTI-ENGINES IS THE ONLY HOPE

Priore's approach offers an answer to both the age of pestilence and the impending biological warfare strikes against our armed forces and our civilian population. ^{94,95} By prompt cellular reversal, infection even by totally unknown and modified agents can be quickly voided. Infection by newly adapted, resistant strains of presently known diseases can be quickly conjugated. So the problem of the failing vaccines and antibiotics can be solved quickly, simply, and cheaply. However, the cell-reversing treatment devices and trained, experienced medical staffs must be widely available!

Diseased cell conjugation by EM means is also the only therapy that can largely eliminate the debilitating diseases of humanity. Per Wheeler's principle, vacuum engines can mold the physical matter of the living body and conditions, operations, and content of the mind, memory, and personality. As the Priore therapy is developed and extended, it will become possible to correct bent spines, mental retardation, mental diseases, genetic defects, physical accidents and disabilities, birth defects, etc. It will be possible to regrow amputated limbs and restore deteriorated cartilage, organs, and joints. It should also be possible to directly remove deep psychiatric problems, heal chemical imbalances, and address and heal such presently difficult disorders as schizophrenia.

The development and application of Type 2 medical engineering can usher in the greatest, most beneficial revolution of all time. As just one example, eventually it will be possible to quickly educate students by simply loading the appropriate "software" into their minds and long term memory, in only a few weeks of "sessions." At that point there need no longer be, anywhere in the world, an educationally disadvantaged person.

It can also be used to usher in the most diabolical revolution of all time if we are not careful to (1) be informed of the Type 2 engineering area, including who is developing what, and for exactly what purposes, and (2) rigorously control the development and use of this technology as it progresses. Our legal, political, and scientific leaders - and we common citizens - will have to grapple with the ethics of what is done and to and for whom it is done. Just as one example, the same technology that will allow direct loading of the software in the long-term memory to achieve rapid education, will allow altering or changing any part of the long term memory, including the built-in emotional responses, etc. Loading software is loading software! What is loaded depends only upon what is in the software. In theory it is possible not only to alter the learned behavior, memories, emotions, and reactions, but also the genetically "born-in" behavior, emotions, and reactions. The potential for the Type 2 engineering to be used for enslaving and roboticizing humanity should be obvious.

Far more carefully than with any other technology in history, we must ensure that this new one is developed for good, not for evil. To quote an old adage, the price of freedom is eternal vigilance. Never before in all of history have those words been more true.

IN CONCLUSION

Pioneers such as Priore, Becker, Kaznacheyev, and Popp have shown us a

¹⁹In fact, under present law all property, homes, bank accounts, and monies of both the patient and the doctor would simply be confiscated — without any legal charge, arrest, or trial — under an absolutely medieval reinterpretation of U.S. law that has again given police at all levels such sweeping and unconstitutional powers. The Clinton Health Care Plan, presently on hold but still alive and sure to be introduced again, is reported to include the establishment of an entire department solely devoted to confiscating assets from patients and doctors who commit such "crimes." Defendants victimized by the present confiscation reinterpretation of law have a slim chance of even forcing the issue into a court. Even if they succeed in getting into court for a hearing, win it and get full "exoneration," the authorities can still keep the property! In the most insane and unjust legal action in all of U.S. history, this law now charges the property itself with having committed the crime, not the erstwhile human defendant. By what means can the "property" defend itself? No one has an answer, for the property is not an individual and has no legal rights for jury protection under the law! U.S. lawyers and judges are actually insisting that this is rational and makes sense. They already precisely redefined U.S. law into what is specifically required to institute a police state. The police forces who carry out this consfication are themselves awarded a percentage of the "haul." What does the citizen do when the police forces themselves become the robbers by administrative fiat, and there is no court redress possible? Ostensibly passed to counter organized crime and the drug carele, this law has rapidly been applied directly to the citizentry, and its use is one of the fistest growing "new techniques" by the various levels of law enforcement. In this paper we have deliberately not dwelled upon the political aspect of the already-emerging police state in control of medical treatment. We simply summarize how the bureacratic me

an iron "state dictatorship" in medicine, as is already emerging in other legal areas.

In this paper my primary purpose is technical, not political, so we defer detailing the more involved political aspects of the emerging police state (the New World Order — more aptly the New World Petudalism) to other more capable authors and sources. One central thought should remain firmly in mind All political systems and isms tend ultimately to feudalism, which is always the best system for the oligarchy or elite at the top who control and own everyhing. In any society, there is always an on-going struggle by a fraction of the most powerful to convert the society to special forms of feudalism.

hing. In any society, there is always an on-going struggle by a fraction of the most powerful to convert the society to special forms of feudalism.

*Some biological agents are very lethal and the associated disease develops at a frightening pace. E.g., the strains of Staphylococcus bacteria that cause mecrotizing fascitis and necrotizing myositis – two versions of the "flesh-destroying" disease—are noteworthy examples. Necrotizing is causing inflammation and/or death of tissue, fascitis refers to "sheet" or connective tissue, and myositis refers to muscle tissue. Recently the Quebec separatist leader Lucien Bouchard was suddenly felled by necrotizing myositis, lost a leg, and at this writing is stable and will recover. The disease is usually fatal in 80% of the cases. There is nothing diabolical in his contacting the disease, the bacteria are present from time to time and can enter the body through a nick or otherwise. The disease and the bacteria are known, however, in the past such cases have been relatively rare. The lethality of the disease is augmented by the rapidity of its development. Delayed recognition of the disease may place the patient already beyond the ability of conventional agents to arrest it in time to save him. With the modern hospital and population environment being highly favorable for the more rapid modification and adaptation of disease organisms, even previously rare diseases such as necrotizing fascitis/myositis are ticking time bombs waiting to become resistant to our antibiotics and explode in the dense urban populations.

95We refer to strikes using biological organisms. We have mentioned but deliberately not dwelled upon the use of electromagnetic induction of lethal cellular diseases at a distance. Such strategic capability to attack a nation and destroy its citizens and soldiers is presently on-line in Russia, under

total control by the KGB, not by the conventional Russian military forces.

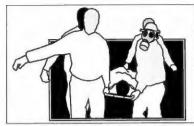


Fig. 21, Present antibiotic therapy is failing as disease organisms adapt.



Fig. 22. Terrorists will eventually use biological warfare strikes. Biological warfare is an increasing threat to military forces and the civil populace.

great vision. Having seen it, when one looks at the incredible human suffering throughout the world, and then at the formidable problems of our Type 1 medical science that is struggling so mightily and losing the battle, one is reminded of a phrase by Dante:

"Heaven wheels above you

Displaying to you her eternal glories

And still your eyes are on the ground."
With every fiber of our being, we exhort
the scientific community to lift its eyes
from the ground, and develop and apply
the Type 2 medical technology as rapidly
as humanly possible, for human benefit.
Else half of humanity will perish in the
coming tide of pestilence. Even the conventional scientists agree that the pestilences are coming, and that conventional
approaches are already losing the battle.
Long ago Albert Einstein wrote these prophetic words:

"It would of course be a great step forward if we succeeded in combining the gravitational field and the electromagnetic field into a single structure. Only so could the era in theoretical physics inaugurated by Faraday and Clerk Maxwell be brought to a satisfactory close." Einstein's passionately-sought unification of EM and G has now been accomplished. It has magnificent medical science applications for the benefit of all humankind. Meanwhile, in the orthodox medical journals, the scientists themselves are recognizing the demise of antibiotics and the coming unstoppable plagues. The scientists are redoubling their efforts to apply the present inadequate models, and their efforts are admittedly failing. If they keep to their present course, the war is already lost!

In the name of all the bleeding, suffering, and dying peoples of the world, we must do better than that! We can do better than that, if we rapidly redevelop and apply the Priore approach.

We call fervently for a great new "War on Disease" that is empowered, funded, and staffed to perform the task. It can be done in perhaps three years, and perhaps for as little as \$60-100 million if we streamline procedures, keep the bureaucracy off the team's necks, and give the team scientists the authority of a War Commanded with a mission order to get on with it.

What happens next is up to the scientists, the politicians, and the concerned leaders of all the nations of the world. They simply must not fail us. They and

their families are in the same frying pan as the rest of us. This is not the time for dogma, posturing, arrogance, protecting one's territory, yapping about who's going to control the presently inadequate medicine, yakking about pseudoscience, striving for personal position and power, bowing to the big drug companies and their vested interests, and playing the "Who's to be the big monkey?" game. We need a new Manhattan Project. We need it now.

Else we who have sown the wind will most certainly reap the coming whirlwind.

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ing wide distribution through the various

organs, lymph tissue, and tissue resem bling lymph tissue. A lymphoblast is a cell giving rise to lymphocytes, the colorless weakly motile cells produced in lymphoid tissue and include the cellular mediators of immunity, constituting some 20 to 30 percent of the leukocytes (white blood cells) of normal human blood. In effect the experimenters have healed a transplanted condition that represents a seri-

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COMMENT: Orchitis is inflammation of a testes. Trypanosomes are protozoan flagellates of genus trypanosoma which infect humans and animals and are responsible for various serious diseases such as Chaga's disease, dourine, nagana, sleeping sickness, and surra. Chaga's disease is marked by prolonged high fever, edema, and enlargement of the spleen,

liver, and lymph nodes. Dourine is a dis ease favoring horses and asses, marked by inflammation of the genitals, subcutaneous edematous plaques, low-grade fever, progressive paralysis, emaciation, and death. Nagana is a highly fatal disease in/ of domestic animals in tropical Africa marked by fluctuating fever, inappetance, edematous swelling, and sluggishness, and is transmitted by the tsetse fly and possibly by other biting flies. Sleeping sickness is a serious disease that is prevalent in much of tropical Africa; it is marked by fever, protracted lethargy, tremors, and loss of weight, and is transmitted by tsetse flies. Surra is a severe Old World febrile and hemorrhagic disease of domestic animals and is transmitted by biting insects.

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Editorial Note: We would like to express our appreciation to Mr. Bearden for this wonderful article.